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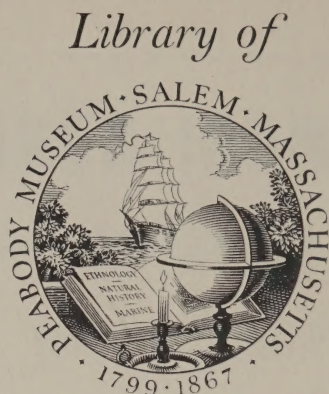
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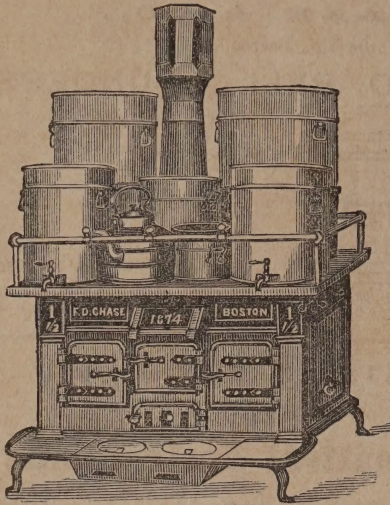
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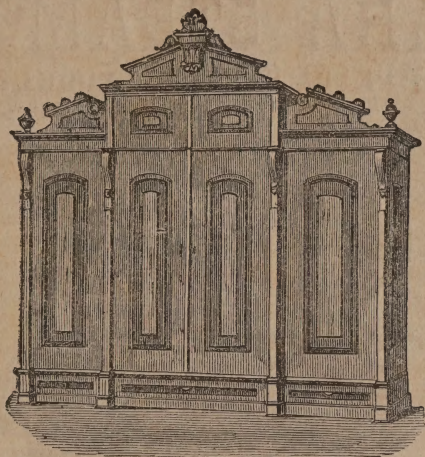
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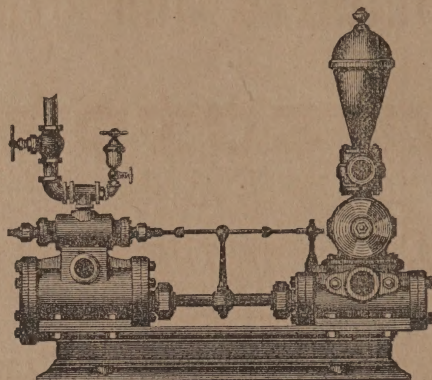
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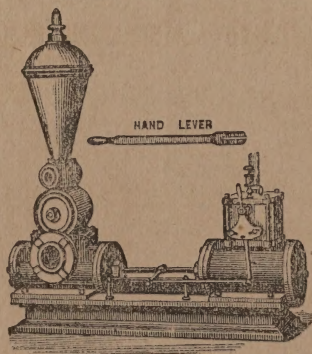
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INTRODUCTORY.

TO OUR PATRONS : In presenting to your notice our edition of Gaylor's *Ship Builders' and Outfitters' Directory* for 1875-6, we trust it will not be deemed inappropriate to venture a few prefatory remarks. Embracing as we do so extensive a territory and varied class of information, the duties of collecting and compiling the material for the work are treble those of city directories. The canvass has been a personal one, and our authorities the standard publications on maritime affairs. A few errors may have passed our observation ; they are of but minor importance, however, which, in our succeeding editions, we shall be able to obviate.

The Directory department embraces the address of all parties connected with the marine interest on the Atlantic seaboard. The Encyclopedia is a valuable reference of maritime affairs. Our thanks for the uniform courtesies received, and the hearty co-operation extended to our efforts.

Respectfully,

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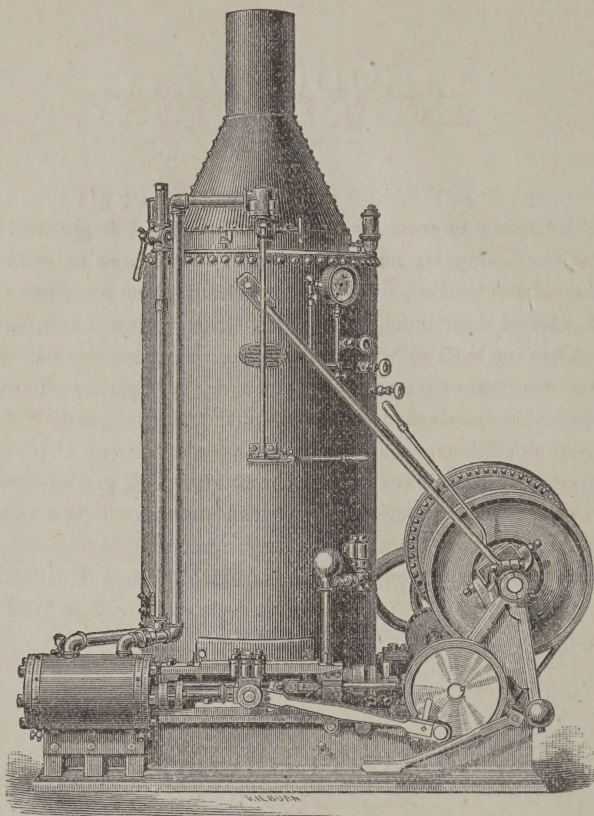
A CAUTION.

IN view of the success which has attended our publication, as representative of the marine interest of our country, there will undoubtedly be parties who will endeavor to gain the patronage of those interested in marine business, by representing their ability to produce a work of equal merit. We would caution our patrons against such, as the extent of territory represented and varied information embraced by a work of this class can only be obtained by ample resources and practical experience. Competitors in publications of this class are mainly itinerants and plagiarists, who, animated by the success of others, seek to imitate. Considering a word to the wise sufficient, we subscribe ourselves,

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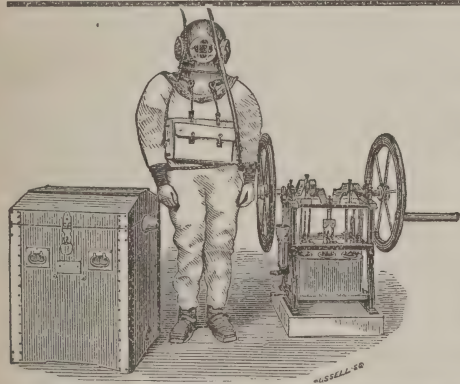
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 PETERSON THEODORE, 76 Summer.....East-Boston
 TRUNDY & CO. 59 Broad.....Boston
 YALE R. M. (see page 110) 2 S. Market....."
 DOW GEORGE S. (see page 132) 112 S. Water.....Providence
 EDWARDS & KING (see page 364), 1 & 2 Campbell's whf. Norfolk
 MILLER WILLIAM T. (see page 394) Kerr's wf cor Cordes. Charleston

Bags and Bagging.

(Manufacturers and Dealers.)

Boston Bag Co. 3 John.....Boston
 Chase H. L. 233 State....."
 Kimball Daniel, 100 Fulton....."
 Tappan J. H. A. 14 Central wharf....."
 Crowell Bag Co. Waverley block.....Charlestown, Mass
 Tudor Co. 1 Charles River ave....."
 Montaup Mills.....Fall River, "
 ASTEN W. B. & CO. (see page 170) Pearl cor Whitehall. New-York
 Atwater Theron S. 24 Whitehall....."
 Biglow Bros. & Co. 7 Beaver....."
 Brewer H. & Bro. 78 Pearl....."
 BRINCKERHOFF, TURNER & CO. (see p. 166) 109
 Duane....."
 Brohel Frank J. 99 Pearl....."
 Bullard & Wheeler, 119 Maiden lane....."
 Cooper William B. jr. & Co. 99 Pearl....."
 Cotterell Joseph, 6 Broadway....."
 David Henry R. 17 Platt....."
 Farley Patrick, 4 Morris....."
 Fraser & McKillop, 95 Maiden lane....."

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Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Griffing, Ag't, 31 South St., N. Y.

DANIEL WINSLOW & SON,

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Inventors, Patentees, Owners, and Manufacturers of the

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LOW OR HIGH PRESSURE

STEAM HEATING APPARATUS

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RHODES BOILER and J. L. Winslow's Double Column RADIATORS.

THOS. LAUGHLIN & SON,

Manufacturers of and Dealers in

Galvanized and Ship Chandlery Hardware.

Ship Chandlers', Ship Builders', Boat Builders',
Block Makers', and Sail Makers'

SUPPLIES.

We have the Largest Blacksmith Shop in the city, with the very best facilities for doing Ship Work, and make a Specialty of *Repairing* any thing in the *Iron* line on *Shipboard*.

GALVANIZING DONE IN THE VERY BEST MANNER.

16 AND 18 CENTRE STREET, PORTLAND, ME.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Portland Wharves.

Atlantic ft India	High street whf, ft High
Berlin Mills, fm Commercial nr Sugar-house	Hobson's, from Commercial nr ft High Long, 114 Commercial ft Moulton
Brown's, 238 Commercial at Sugar-house	Maine, next westerly of Burnham's
Bridge, from West Commercial ft Brackett	Merchant's, ft Centre
Burnham's, 54 Commercial ft Deer	Merrill's, opens at 246 Fore ft Cross
Central, 124 Commercial ft Centre	Perley's, next s w of High st. whf
Commercial, 154 Fore ft Market	Portland pier, 136 Fore ft Silver
Custom House, 114 Fore ft Willow	Portland Company's, adjoining Portland Company's Works.
Deake's, east of ft State	P. S. and P. Railroad, ft State
English steamships, e of G.T. whf	Richardson's, opens at 196 Commercial
Franklin, 34 Commercial ft Franklin	Smith's, opens southerly ft Maple
Galt's, near ft Franklin	Sturdivant's, opens ft Park
Gas Company's, from gas house nr ft Clark	Union, opens 218 Fore ft Union
Grand Trunk, e of G.T.R. freight depot	Widgery's, opens 202 Fore ft Plum
Great Eastern, at Fish Point	

Wharfingers.

Blake Nathaniel	Portland
Chase Elias	"
Choate Daniel	"
Colson Joseph W.	"
Gwynn George	"
Hinckley Rufus H.	"
Shaw Benjamin	"
Shurtliff A. K.	"
Wood, William R.	"
Crom Gilman	Bangor
Colson Amos	"
Rich R. A.	Winterport

Foreign Consuls, Maine.

Argentine Republic, Andrew Spring, 17 Exchange	Portland
British (Maine and New-Hampshire), Henry John Murray, 30 Exchange	"
British Vice, George H. Starr, 30 Exchange	"
British Consular Agent, Jacob Smith	Bath
British Vice, Robert Ker	Eastport
Danish Vice, John E. Brown	Bath
Portuguese Vice, Thomas J. Stewart	Bangor
Spanish, Thomas Lozano, Middle cor Union	Portland
Swedish and Norwegian Vice, A. R. Magnus Lindberg, 33 Middle	"

Commissioner of Fisheries.

Stillwell E. M.	Bangor
-----------------	--------

United States Shipping Commissioner.

Jenkes Joseph C.	Bath
------------------	------

Tarr & Wonson's Patent Copper Paints. John C. Griffing, Agent, 31 South St., New-York.

Ship Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

THE SHIPPING ACT.

IMPORTANT DECISION BY JUDGE BENEDICT IN THE UNITED STATES COURT.

THE UNITED STATES, <i>against the</i> Steamship "CITY OF MEXICO," her tackle, etc.	}	A. W. TENNEY, <i>Dist. Attorney.</i> October 2, 1873. SALTER & COWING.
---	---	---

THE present is a proceeding to condemn the steamship "City of Mexico" in a penalty for an alleged shipment of seamen contrary to the provisions of the act of June 7, 1872, entitled "An Act to authorize the appointment of shipping commissioners by the several Circuit Courts of the United States, to superintend the shipping and discharge of seamen engaged in merchant ships belonging to the United States, and for the further protection of seamen."

The facts are conceded to be that the owners of the steamship "City of Mexico" caused a crew to be shipped on board that vessel for a voyage from the port of New-York to the West-Indies and the Republic of Mexico, by written shipping articles executed by the crew on board their vessel, before a Notary Public, and not before the Shipping Commissioner.

Such a shipment of the crew, the Government contends, is in violation of the 13th section of the Shipping act referred to above, and renders the ship liable to a penalty of \$200, as prescribed in the 14th section of that act.

The argument on the part of the vessel is that the original act of 1790, which requires an agreement in writing or in 'print, in a certain form, with any mariner on any vessel bound from a port of the United States to any foreign port, is, as to vessels engaged in voyages like that of the "City of Mexico," repealed by the passage of the shipping act of June 7, 1872, the latter act being intended to be a substitute, in such cases, for the act of 1790—and that by the amendment of the Shipping act of January 10, 1873, vessels in voyages like that of the "City of Mexico" are excepted from the effect of the substitute, consequently it is claimed all vessels bound to the West-Indies and the Republic of Mexico are exempted from any legal obligation to have any shipping articles, and, therefore, are not liable to any penalty for a shipment in violation of the act of 1872.

Upon this question my opinion is that, in the present condition of the statutes, no such effect can justly be given to the Shipping act of 1872 as to work a repeal by implication of the original act of 1790.

It is difficult to suppose that it was the intention of Congress, by any provision in the act of 1872, an act declared to be intended for the further protection of seamen, to depart from the uniform practice of this Government from its foundation, as of all maritime nations, in the regulation of the shipment of seamen, and to leave all seamen engaged in the extensive commerce included within the language of section 12 of the act without any statutory protection as to the mode of hiring them.

Such has not been the construction given to the act in practice by the merchants, nor was such the construction put upon it by the claimants in the present instance, for they caused the crew to be shipped in accordance with the act of 1790.

The act of 1872, as also the act of 1790, recognizes and should be construed as in harmony with the rule of the general maritime law upon this subject. "The maritime law, as a general principle, requires seamen's contracts to be evinced by writing." Ware, J., *The Crusader*, Ware (R. p. 457). By the general maritime law then, as well as by the act of 1790, a written contract with this crew was doubtless required; certainly such an agreement was not forbidden.

But by section 13 of the act of 1872, certain rules are prescribed which are to be observed in respect to all written agreements procured to be executed by seamen, one of which is that the agreement shall be signed by each seaman in the presence of a shipping commissioner. There is much reason for the application of this rule in all cases, for seamen are children. They sign any thing placed before them, and such a rule is calculated to prevent the obtaining of their signatures as evidence of their agreement, except in the presence of a duly authorized officer charged with the duty of protecting them against imposition and fraud.

It was for this reason, no doubt, that the thirteenth section of the act, which forbids the execution of a written contract with a seaman except in the presence of the shipping commissioner, was made generally applicable to all written agreements with seamen. No words in the section indicate an intention to limit its effect to the cases of agreements provided for in section 12, and I consider it applicable to every agreement made in writing by a sailor for his services on any vessel.

This provision of the law was disregarded in the shipment of the crew of this steamer, and by virtue of the fourteenth section of the act of 1872, which provides a penalty of \$200 for "receiving or accepting on board any merchant ship who has been engaged or supplied contrary to the provisions of this act," the steamer became liable to that penalty.

A decree must accordingly be entered condemning the steamer in the sum of \$200 and costs.

Bags and Bagging.—Continued.

Hill Joseph, 184 Water.....	New-York
Hoss & Collins, 258 Washington.....	"
Lawson J. & Co. 42 Whitehall.....	"
Manwaring David W. 248 Front.....	"
Muench Henry & Son, 321 E. 22d.....	"
Mulligan Joseph, 74 Pearl.....	"
New-York Bagging Co. 88½ Pine.....	"
Parsons Charles H. 80 Water.....	"
Requa Leonard F. 2 Broadway.....	"
Scully Cornelius, 84 Pike.....	"
WALL WILLIAM'S SONS (see page 208), 113 Wall...	"
Waterbury, Lawrence & Co. 136 Front.....	"
Williamson & Goodhue, 33 Pearl.....	"
Bailey John T. & Co. 120 Chestnut.....	Philadelphia
Conrad Solomon, 101 Market.....	"
Harrigan & Robinson, 237 S. Front & 234 S. Water....	"
Rexrath Charles H. 1102 Poplar.....	"
Grafflin John C. & Co. opp Corn Exchange.....	Baltimore
Folger E. C. 137 Water.....	Norfolk

Bakers, Ship Bread and Cracker.

Kent Reuben, 107 Force.....	Portland
AUSTIN C. F. & CO. (see page 100) 116 Commercial.....	Boston
Bass C. D. & Sons.....	New-London, Ct
Boyde Andrew A. 219 Fulton.....	New-York
Brinckerhoff & Co. 229 Grand.....	"
Bruen David S. 586 Grand.....	"
CLARK S. B. (see page 220) 496 Grand.....	"
Currier J. A. & Co. 436 Greenwich.....	"
Garrison Ferdinand J. 32 Desbrosses.....	"
Gilmore J. D. & Co. 205 Greenwich.....	"
GOODWIN CHARLES T. & SONS, 226 Front.....	"
HARRIS THOMAS R. 110 to 116 Beekman and 346 Washington.....	"
McGay & Co. 219 Forsyth.....	"
Payson & Paul, 33 Cortlandt.....	"
Toohig Hamilton A. 119 Fulton Market.....	"
Treadwell E.'s Son, 104 Warren and 265 Water.....	"
Wilson John T. & Co. 73 Fulton.....	"
Young & Co. 262 Front.....	"
Camp W. E. & N. H. 625 N. Broad.....	Philadelphia
Carrick D. & Co. 1903 Market.....	"
Hartman John, 412 S. Del. ave and 413 Penn.....	"
Ivins J. S. & Sons, 321 N. Front.....	"
Pearce Robert, 1525 S. 9th.....	"
Wattson William, 157 N. Front.....	"
Wilson Theodore & Co. 212 N. Front.....	"

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 H. P. DEWEY.

PORTLAND, ME.

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COMMISSION MERCHANTS,

SHIP AND INSURANCE BROKERS,

AND DEALERS IN

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WASHINGTON RYAN, }
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Bakers.—Continued.

Lang W. & J. 5th cor French.....	Wilmington, Del
Beatty, James & Co. 92 Dugan's whf.....	Baltimore
Mason James D. & Co. 112 & 114 W. Pratt.....	"
Mason R. & Sons, 126 W. Pratt.....	"
TYLER & BROS. 47 & 49 W. Pratt.....	"
REID JAMES & CO. 87 Main.....	Norfolk
Mules R. T. 79 Market sq.....	Portsmouth, Va

Ballast.

Battis W. L. 127 Commercial.....	Boston
Brown J. & Son, 188 Commercial.....	"
Brown & McIntosh, 188 Commercial.....	"
Frost E. R. 1 Russia whf.....	"
Hayes M. A. 71 Bedford, 17 Court and 50 Randolph.....	"
Carr James, 40 South.....	New-York
Dougherty Patrick, 40 South.....	"
McManus Charles, 260 South.....	"
O'Brien T. 26 South.....	"
Travers Thomas J. & Bro. ft Hughes.....	Baltimore

*** Bankers.**

STONE & DOWNER (see page 86), 28 State.....	Boston
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Barometers, Thermometers and Hydrometers.*(Manufacturers and Dealers.)*

Huddleston J. S. F. 96 Washington.....	Boston
Siefert Charles A. 70 Washington.....	"
THAXTER SAMUEL & SON (see front fly-leaves), 125 State ..	"
Schindler & Co.....	West-Meriden, Ct
ARNABOLDI J. (see page 222) 50 Fulton.....	New-York
TAGLIABUE CHARLES J. (see front cover, also page 222) 53 Fulton.....	"

Bedding.*(See also Upholsterers.)*

DEGRAAF & TAYLOR (see page 238), 87 & 89 Bowery.....	New-York
GRATACAP P. A. (see page 242) 35 Fulton.....	"
HALL D. K. & SONS (see page 238), 169 Chatham...	"
SCHENCK JAMES V. (see page 242) 183 Canal.....	"

*** Belaying Pins.**

PEREGOY WILLIAM E. (see page 342) Bond cor Thames.....	Baltimore
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Bell Founders.

Torrey J. G. & Son	Rockland, Me
BLAKE WILLIAM & CO. (see page B front fly-leaves) Allen cor Brighton.....	Boston

New Bedford Caboose and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

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LIST OF SHIPPING

OWNED IN THE COUNTY OF YARMOUTH, NOVA SCOTIA, JANUARY 1, 1875.

STEAMERS.

VESSELS' NAMES.	TONS.	OWNERS' NAMES.
Linda	510	N. K. Clements.
G. W. Johnson.....	72	Yarmouth Steam Tug Company.
Gipsy.....	25	John E. Ritchie, Henry Noble.

SHIPS.

Rossignol.....	1509	Young, Kinney & Corning, J. M. Davis, Wm. Law, S. Brown, J. A. Hatfield, Amos Crosby, Est. C. W. Kelley.
N. and E. Gardner.....	1465	Samuel Killam.
Ryerson.....	1423	John K. Ryerson, S. M. Ryerson, B. Killam, Nathan Moses.
Adolphus *.....	1318	Young, Kinney & Corning, J. A. Hatfield, J. M. Davis, S. Brown, R. K. Rose, and others.
Royal Charter *.....	1304	N. Churchill, Jr., James M. Davis, H. & R. Crosby, G. Crosby, Lemuel Robbins, Albert Robbins, H. A. Parr, O. W. Slocomb.
Home.....	1271	Samuel Killam.
Regina *.....	1212	John Murphy, W. K. Dudman, W. Law & Co., J. G. Allen, C. E. Murphy, Joseph Burrell.
Oasis *.....	1157	William D. Lovitt.
Abby Ryerson.....	1145	J. K. Ryerson, N. Moses, S. M. Ryerson, B. Killam.
Annie Goudey *.....	1135	Aaron Goudey, N. H. Bent.
Edgar.....	1116	N. Churchill, Lewis & Co., Samuel Brown, Joseph J. Brown, H. & R. Crosby, Albert Robbins, and others.
Herbert Beech.....	1061	Young, Kinney & Corning, J. M. Davis, J. A. Hatfield, Jacob Crosby.
Annie Bingay.....	1048	J. V. B. Bingay, J. W. Lovitt, Joseph H. Cann.
Joseph Milbury *.....	1018	John W. John, and James J. Lovitt, J. V. B. Bingay, T. Corning.
Winnifred.....	1012	Dennis & Doane, N. W. Blethen, James F. Scott.
Tidal-Wave.....	999	Young, Kinney & Corning, J. M. Davis, Wm. Law, N. B. Hatfield.
William *.....	998	W. Rogers, B. Hilton, W. K. Dudman, S. R. and E. Hilton, G. K. Treffry, R. H. Crocker.
Lillie Soullard.....	997	Ryerson, Moses & Co., H. Webster, J. R. Crosby, Wallace W. Crosby.
Chloe.....	996	William Rogers, B. Hilton, W. T. Kelley, William H. Cook, R. H. Crocker.
Lennie.....	984	W. D. Lovitt.
Aneroid *.....	982	Dennis & Doane, N. W. Blethen, R. Fletcher, J. D. Dennis, J. Burrell, E. S. Williams.
Francis Hilyard.....	976	J. W. Lovitt, John Lovitt, James J. Lovitt.
Maria Stoneman *.....	959	A. F. Stoneman, J. W. Moody, A. W. Blauvelt.
Bolivia *.....	925	Killam Bros., Bowman Corning, D. Richards, J. E. Murphy.
Ellen Goudey.....	914	Aaron Goudey, George H. Perry.
Julia.....	894	J. K. Ryerson, S. M. Ryerson, N. Moses, J. R. Crosby.
Eliza Everitt.....	893	J. K. Ryerson, S. M. Ryerson, N. Moses, B. Killam, H. J. Dennis, J. R. Crosby.
Edith.....	892	Dennis, John and C. E. Horton, T. M. Lewis, John Flint, J. C. & G. J. Parish, E. F. Hilton.
W. J. Hatfield.....	891	N. Churchill, J. Murphy, S. Brown, A. C. Robbins, R. T. Crosby & Son, Z. Goudey.
Alexandra.....	889	A. C. Robbins, J. K. Ryerson, S. M. Ryerson, R. M., J. D., and B. Raymond, J. M. Davis, H. H. Brown.
Arlington.....	849	B. P. Ladd, St. Clair Jones, Estate of D. W. Newcomb.
Republic.....	843	W. Rogers, B. Hilton, W. T. Kelley, W. H. Cook.
Clara Killam.....	838	L. E. Baker, L. E. Cann.
Andrew Lovitt.....	836	W. D. Lovitt.
Livingstone.....	811	Dennis, J., and C. E. Horton, J. Flint, T. M. Lewis, G. J. & J. C. Parish, J. W. McMullen, E. F. Hilton.
Tyro.....	795	Dennis & Doane, J. F. Scott, N. W. Blethen.
Speculator.....	747	Killam Brothers, S. Killam, Jr.
Lilian.....	728	Lyman Cann, C. E. Brown, E. Churchill, L. Cann, E. Capstick.
Bessie Crosby.....	681	A. C. Robbins, F. S. Crosby, J. K. Ryerson, S. M. Ryerson, B. and S. P. Raymond.
Abigail.....	636	A. C. Robbins, G. and G. G. Sanderson, R. M., J. F., and C. Raymond, J. P. Crosby.

* New vessels.

Bell Founders.—Continued.

Holbrook George H. & Son.....	East-Medway, Mass
Gibson & Kirk, 5 Cheapside.....	Baltimore
McShane Henry & Co. 161 North.....	"
Regester, Joshua & Son, 53 N. Holliday.....	"

*** Bell Hangers.**

JAMES GEORGE E. (see advt) 10 Maverick sq.....	East-Boston
CORY CHARLES & SON, 278 Division.....	New-York

*** Bellows Manufacturers.**

TSCHULIN GEORGE, 40 E. Pratt	Baltimore
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Belting.

(Manufacturers and Dealers.)

Ambrose J. S. 24 Charlestown.....	Boston
American Tool & Machine Co. 84 Kingston.....	"
Boston Belting Co. 189 to 195 Devonshire	"
BOSTON ELASTIC FABRIC CO. (see page 170) 175 Devonshire	"
Bremer & Higgins, 15 Marshall.....	"
Clapp C. M. & Co. 183 & 185 Devonshire and 42 to 48 Arch..	"
Clark A. N. & Co. 38 Sudbury	"
Exeter Machine Works, 76 Portland.....	"
HALE ALFRED & CO. (see page vi) 166 Washington.....	"
Hill, Clarke & Co. 131 Milk	"
Hunt, Twitchell & Co. 45 Arch.....	"
King C. W. Quiney Hall	"
King & Adams, 22 Milk	"
May & Co. 14 to 20 Oliver.....	"
Page Belting Co. 24 Exchange & 18 Devonshire.....	"
Page E. F. & Co. 58 Friend.....	"
Page & Weston, 24 Federal.....	"
PUTNAM GEORGE D. & CO. (see advt) 151 & 153 Franklin	"
Roberts James H. & Co. 116 to 124 Merrimac.....	"
Woods S. A. Machine Co. 67 Sudbury.....	"
Chase Edmund.....	Fall River, Mass
French J. B. & Son.....	"
Union Belt Co.....	"
Crocket William E. & Co.....	Newburyport, "
National Rubber Co. A. O. Bourn treas.....	Bristol, R. I
Phillips James E.....	North-Kingston, "
Woonsocket Rubber Co. F. M. Perkins treas.....	Woonsocket, "
Hayward Rubber Co.....	Colchester, Ct
Continental Rubber Co.....	Middleton, "
New-Britain Rubber Co.....	New-Britain, "

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OF ALL KINDS AND SUPERIOR QUALITY.

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Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Belting.—Continued.

Bronson N.....	New-Haven, Ct
Candee L. & Co.....	" "
Holton F. H.....	" "
Thompson John C.....	" "
Hayward Rubber Co.....	Norwich, "
Langdon Charles	Prospect, "
BOSTON ELASTIC FABRIC CO. (see page 170)	102
Chambers	New-York
BUCKLEY & MERRITT (see page 138), 156 South....	"
NEW-YORK BELTING AND PACKING CO. (see page vi) 37 & 38 Park Row	"
SMITH A. M. 232 West.....	"
HASKELL JOHN H. 33 S. Eutaw	Baltimore
WHITE E. V. & CO. (see page 360) 12 Commercial Row...	Norfolk
Nathan M. H. & Son, Wentworth cor Meeting.....	Charleston
Von Sauten Frederick, 285 King.....	"

*** Berth Bottoms.**

HOWE SPRING BED CO. (see page 242) 173 Canal....	New-York
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Bilge Pipes.

AMERICAN TUBE WORKS (see page 70), 97 State.....	Boston
--	--------

*** Binnacle and Deck Lights.**

HOLMES THOMAS M. (see page 280) 307 Rose.....	Philadelphia
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*** Block Manufacturers.**

VAN WART & McCOY, 134 Duane.....	New-York
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Block and Pump Makers.

(See also *Pumps*.)

Holden P. P. & Son.....	Bangor, Me
Young J. C.....	" "
Duncan George W.....	Bath, "
Ingalls William.....	" "
McGilvery Henry.....	Belfast, "
Murch L. C. & Son.....	" "
Laney James.....	Boothbay, "
Genn E. D.....	Bucksport, "
Cavanagh William.....	Calais, "
Harris Bros.....	" "
Knowlton D. & Co.....	Camden, "
Burns George.....	Ferry Village, Cape Elizabeth, "
Robbins Henry B.....	Castine, "
Champlin Robert & Co.....	Eastport, "
Murch Isaac A. & Co.....	Ellsworth, "

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Tarr & Wonson's Patent Copper Paints. John C. Griffing, Ag't, 31 South St., N. Y.

Yarmouth Shipping. (Continued from page 28.)

BARKS.

VESSELS' NAMES.	TONS.	OWNERS' NAMES.
Almira Goudey *.....	971	Zebina Goudey, A. Goudey, R. Ellenwood, W. W. Crosby, S. Lewis, Goudey & Hilton.
Kate Cann *.....	954	Hugh Cann, Lyman Cann, Killam, Crowell & Co., B. Murphy.
Talisman.....	953	Dennis & Doane, N. W. Blethen, G. H. Jenkins, Albert Baker.
George B. Doane.....	941	Dennis & Doane, George R. Doty, N. W. Blethen, T. Corning.
Toledo.....	929	W. Law, T. & E. S. Perry, J. Murphy, J. B. Lovitt, H. & R. Crosby, D. C. Kelley, W. Perry.
M. and E. Cann.....	920	Hugh Cann, Lyman Cann, Hugh E. Cann, William A. Cann.
Mizpah *.....	898	N. B. Lewis, H. Lewis, Hugh and Hugh E. Cann, F. G. Cook.
Tancock.....	898	W. H. Moody & Co., Dennis Crosby, A. R. Durkee.
Annie Burrill *.....	897	William Burrill & Co. and others.
Luna.....	892	Killam Bros., B. Corning, E. C. Byrns, D. Richards.
Nellie T. Guest *.....	888	Thomas Guest, George H. Guest, S. E. Messenger.
Dartmouth *.....	873	L. E. Baker, S. P. Raymond & Co., B. C. Raymond.
Neuphar.....	846	John Lovitt, James J. Lovitt, J. W. Lovitt, Israel L. Walker.
Traveler.....	830	Dennis & Doane, Viets & Dennis, N. W. Blethen, E. Scott.
Pera.....	820	Killam Bros., B. Corning, W. Hibbert.
Ada.....	815	B. Murphy, Jos. Burrill, J. W. Lovitt, D. Richards.
Northern Chief.....	808	Dalhousie Millar, A. Goudey, N. Utley, James Murray, A. S. Murray.
Freeman Dennis.....	808	Dennis & Doane, F. A. Pitcher, N. W. Blethen, James F. Scott, R. Fletcher.
Champion.....	799	Amos Scott, J. Murphy, T. and E. S. Perry, H. & R. Crosby, Jos. B. Lovitt, A. Goudey.
Athlete.....	780	J. W. Lovitt, John Lovitt.
James R. Boyd.....	779	A. F. Stoneman, Lewis & Co., J. W. Moody, D. C. Kelley, J. G. Perry.
Templar.....	778	A. C. Robbins, S. Raymond, T. O'Brien, G. K. Trefry, Rufus P. Trefry, J. Crosby.
Northern Queen.....	776	Dennis & Doane, E. Scott, F. A. Pitcher, N. W. Blethen.
Emily Lawther.....	762	J. W. Moody, A. F. Stoneman, J. Flint, S. Lewis, H. & N. B. Lewis, W. Cain, Dodds & Jolly, J. C. & G. J. Farish.
Sarah B. Cann.....	757	Hugh and H. E. Cann, H. and N. B. Lewis, F. G. Cook.
Charles F. Elwell.....	755	Zebina Goudey, A. Goudey, R. Ellenwood, A. K. Utley.
Sarah.....	750	A. C. Robbins, B. Gullison.
Nellie Moody *.....	746	A. F. Stoneman, N. J. B. Tooker, J. W. Moody, Lewis & Co., Joseph Goudey, George Earl, Loran Cann.
Susan M. Dudman.....	745	W. K. Dudman.
Mary Lawton.....	743	George H. Lovitt.
Carleton.....	742	Dennis & Doane, N. Moses, Dodds & Jolly, N. W. Blethen, N. Durkee.
Nova Scotian.....	733	Samuel J. Hatfield, A. M. Hatfield.
W. H. Jenkins.....	721	L. E. Baker.
A. Goudey.....	717	Aaron Goudey, Norman H. Bent.
Yarmouth.....	698	L. E. Baker, B. C. Raymond and S. P. Raymond & Co.
Underwriter *.....	697	Lewis & Co., Jonathan Horton, T. B. Flint, George B. McConnell.
Kate Crosby.....	696	A. C. Robbins, B. R. and S. P. Raymond, J. Crosby, J. M. Davis, T. O'Brien, J. Hibbert.
Sabra Moses.....	695	N. Moses, S. M. Ryerson, J. K. Ryerson, B. Killam, Dennis & Doane.
George Peabody.....	693	L. E. Baker.
Kate Burrill.....	690	William Burrill & Co., James M. Davis, J. R. Blauvelt, William D. Robertson.
Milo *.....	684	A. C. Robbins.
Eliza McLauchlan.....	684	A. C. Robbins, J. K. Ryerson, S. M. Ryerson, B. and S. P. Raymond, and others.
Grace E. Cann.....	683	Hugh Cann, C. E. Brown, H. E. Cann, F. G. Cook, George E. Cann.
Colorado.....	682	Thomas, E. S., and R. C. Perry, D. C. Kelley, N. M. Crosby, J. Murphy, Z. Goudey, N. Churchill, Jr.
George W. Jones.....	679	A. C. Robbins, Byron Robbins.
Wentworth.....	678	D. and C. E. Horton, G. J. and J. C. Farish, J. Flint, T. M. Lewis, E. F. Hilton, J. W. McMullen.
Kate Sancton.....	677	George H. Lovitt.
James B. Duffus.....	672	William Burrill & Co., J. M. Davis.
Aurora.....	666	A. C. Robbins, T. Perry, W. H. Crosby, E. S. and R. C. Perry.
Autocrat.....	665	J. W. Moody, A. F. Stoneman, J. W. McMullen, F. Gardner, John Flint, A. D. Healey.
E. H. Duval.....	661	William Rogers, Joseph Goudey, W. H. Cook, G. K. Trefry.
Bachelors.....	635	Lyman, Hugh, H. E., and W. A. Cann, B. Murphy, G. W. Tooker, E. Allen, L. D. Cann.
Herbert C. Hall *.....	650	B. P. Ladd, B. and S. B. Davis, Kinney, Haley & Co., G. H. Porter, A. J. Hood.
Chili.....	649	Killam Bros., B. Corning, S. Killam, Jr.
Argonaut.....	630	L. E. Baker.
Ranger.....	630	Dennis & Doane, N. W. Blethen, G. R. Doty.
Melbourne.....	621	W. D. Lovitt, Smith Horton.

* New vessels.

Block and Pump Makers.—Continued.

Davis Oliver.....	Kennebunkport, Me
Huson Edward L.....	Machiasport, "
Taylor William H.....	West Mt. Vernon, "
Leighton Raymond S.....	West-Pembroke, "
Browne James H. 97 Commercial.....	Portland, "
Burns & Bryant, rear 121 Commercial.....	" "
Cammett John, 5 Portland pier.....	" "
Conner Thomas, 97 Commercial.....	" "
Pike Oscar.....	Princeton, "
Kaler G. F. & Co.....	Rockland, "
Medcalf Robert.....	" "
Merrill George & Son.....	Searsport, "
Jellerson Aaron.....	South-Berwick, "
Medcalf William A.....	Thomaston, "
Odion Thomas.....	Portsmouth, N. H
Doane Hiram.....	Beverly, Mass
BAGNALL & LOUD, 139 Fulton.....	Boston
Chapman Nathaniel, 22 Atlantic ave.....	" "
Edgett George, 31 Sumner.....	East "
Francis & Lovell, 48 India sq.....	" "
Hearn M. J. 134 Broad.....	" "
Holmes George B. 311 Commercial.....	" "
Howe Robert, 22 Atlantic ave.....	" "
Todd John P. 126 Commercial.....	" "
Grinnell James.....	Fall River, Mass
Call J. C.....	Gloucester, "
Elwell Samuel jr.....	" "
McDonald Allen L.....	" "
Davis William.....	Hingham, "
Gardner Timothy M.....	Nantucket, "
Clarke Joseph.....	New-Bedford, "
Coggeshall & Co.....	" "
Swan Walter D.....	" "
Swift Thomas W.....	" "
Taber Joseph.....	" "
Stickney Caleb.....	Newburyport, "
Todd & Brown.....	" "
Peabody Stephen.....	Peabody, "
Atkins Russell.....	Provincetown, "
Holmes George H.....	" "
Kennedy Andrew.....	" "
Adams Josiah.....	Quincy, "
Burnham Newell.....	Rockport, "
Donaldson Alexander.....	Salem, "
Tucker H. N.....	Stoughton, "
Munroe J. P.....	Bristol, R. I
Hildreth Asa.....	Newport, "

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Use the best, Tarr & Wonson's Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

E. A. SAWYER & CO.,
SAIL MAKERS,

AND MANUFACTURERS OF

Tents, Bags, Covers and Awnings of Every Description.

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No. 78 Commercial Street

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FRITZ H. JORDAN. }

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JOHN W. PERKINS & CO.,
WHOLESALE DRUGGISTS,

AND DEALERS IN

PAINTS, OILS AND DYE STUFFS,

74 & 76 COMMERCIAL STREET,

AND

2 & 4 CUSTOM HOUSE WHARF,

JOHN W. PERKINS, }
BENJ. A. PERKINS, }
J. HENRY CROCKETT. }

Portland, Me.

JOSEPH S. YORK,
SAIL MAKER.

Tents, Awnings, and Covers

MADE TO ORDER.

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PORTLAND, ME.

All Orders promptly attended to.

A. B. STEPHENSON,
Ship Chandler

AND DEALER IN

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Paints, Naval Stores, etc.,

COMMERCIAL STREET

(Bet. Long and Central Wharfs),

PORTLAND, ME.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Block and Pump Makers.—Continued.

Anthony J. B. 135 S. Main.....	Providence, R. I
COLEMAN W. & SONS, 103 S. Water.....	Providence, "
Hanscom H. H.....	Fair Haven, Ct
Collins D. H.....	New-Haven, "
Barnes S. D.....	New-London, "
Sutton James & Co.....	Mystic River, "
BEYEA BENJAMIN (see page 180), 89 West.....	New-York
Burr & Co. 31 Peck Slip.....	"
Campbell Leonard A. 20 East.....	"
Chapman James L. 30 South.....	"
FERGUSON WILLIAM B. 226 South.....	"
Graeff John, 3 1st.....	"
Hicks Charles P. 820 5th.....	"
Langworthy William R. 73 Rutgers.....	"
Lewis Samuel, 340 West.....	"
McMillan W. H. & Bro. 113 South.....	"
Morris John, 407 West.....	"
Nichols Sillick, 44 East and 57 South.....	"
Perrins W. & D. 109 South.....	"
Rich William A. 107 Reade.....	"
Simpson William, 27 Coenties slip.....	"
THOMPSON JOSEPH (see page 196), 36 Burling Slip...	"
Weir John, 7 Bedford.....	"
Whitehead William W. 88 Pike.....	"
Williams Richard, 95½ Pine.....	"
Wilson John M. 58 Harrison.....	"
Deklyne Theodore, 1007 Gtn. ave.....	Philadelphia
Hamscher Adam H. 2425 Gtn. ave.....	"
Manahan Daniel, 218 N. Front.....	"
McCusker James, 518 S. Del. ave.....	"
SHUBERT & COTTINGHAM (see page 320), 120 N. Delaware ave.....	"
Johnson E. C. Market cor 21st.....	Wilmington, Del
Taylor John, Tatnall cor Water.....	" "
Cathcart R. & W. H. 113 Thames.....	Baltimore
Cook John K. 23 Philpot.....	"
Davis Charles J. ft Montgomery.....	"
Delano William H. 72 W. Pratt.....	"
Freeman William P. 16 Thames.....	"
Gorges John Q. 104 Pratt.....	"
Hubbard Andrew J. 5 Fell.....	"
Lewis Levi, 45 Covington.....	"
PEREGOY WILLIAM E. (see page 342) Bond cor Thames	"
Rice Thomas H. & Son, 4 Covington.....	"
TURNBULL & BRO. 38 Thames.....	"
Waite Samuel R. Hughes cor Covington.....	"
Woelper B. F. 23 N. Choptank.....	"

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Caboozes and Galley Outfits.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

Yarmouth Shipping. (Continued from page 32.)**BARKS—(Continued).**

VESSELS' NAMES.	TONS.	OWNERS' NAMES.
Presto	621	A. C. Robbins, J. D. Patten, Amos Scott, Thomas Perry, J. K. & S. M. Ryerson, and others.
Sirian Star	610	Young, Kinney & Corning, Dennis & Doane, Amos Crosby, J. M. Davis.
Gordon	604	N. Churchill, Lewis & Co., D. C. Kelley, J. & N. Trefry, John R. Crosby, and others.
George Bell	599	G. H. Lovitt, Andrew Lovitt, W. D. Lovitt, F. Gardner.
Fanchou *	597	Young, Kinney & Corning, J. M. Davis, J. V. B. Bingay, Amos Crosby,
Argo	595	S. M. Ryerson, N. Moses, J. K. Ryerson, A. Goudey.
Lyman Cann	592	N. B. Lewis, H. Cann, H. Lewis, W. A. Cann, G. A. Baker, W. Keneally.
Abbie Thomas	590	George H. Lovitt, Andrew Lovitt.
W. E. Heard	587	A. C. Robbins, R. M. Raymond & Sons.
Southern Belle	587	A. C. Robbins, S. B. Robbins, D. W. Clarke.
Matilda Hilyard	584	Joseph B. Lovitt, E. H. Lovitt, William Law & Co.
George H. Jenkins	582	Dennis & Doane, N. W. Blethen, G. R. Doty.
Francis Bourneuff	570	W. D. Lovitt.
Brazil	555	Killam Bros., B. Corning, W. Hibbert, S. Killam, Jr., Loran D. Cann.
Brothers	537	Lyman Cann, W. A. Cann, E. Churchill, H. Cann, N. B. Lewis, Benj. Murphy.
Maggie Horton	532	D. Horton & Sons, Israel Horton, N. B. Lewis, Joseph J. Brown.
Ermina	512	W. Rogers, B. Hilton, R. J. Leonard, G. K. Trefry.
Emma Parker	496	Young, Kinney & Corning, N. Churchill, Jr., J. M. Davis, J. V. B. Bingay, H. H. Brown.
Sarah A. Dudman	490	W. K. Dudman, T. Allen, Jr., J. C. Farish.
James Muir	447	S. M. Ryerson, J. K. Ryerson, N. Moses, Joseph Shaw.
Live Oak †	433	James M. Davis, N. Churchill, Jr., Young, Kinney & Corning, A. C. Robbins.
Mary Killam	421	J. Killam, W. Butler, J. K. Ryerson, N. W. Blethen, J. G. Allen, David Richards.
George Henry	421	Lyman Cann, E. Churchill, C. E. Brown, Hugh Cann.
Lalia	390	Aaron Goudey, Norman Bent.
Viking *	876	S. M. Ryerson, J. K. Ryerson, Nathan Moses.
Golden West	359	John Killam, H. H. Brown, J. K. Ryerson.
M. E. Corning	354	Killam Bros., B. Corning, W. Hibbert, S. Killam, Jr., Loran Cann.
Charles Gumm	352	A. C. Robbins, C. Frost, W. Weddleton, F. S. Crosby, G. W. Bain, and others.
Somerville	333	B. P. Ladd, S. C. Jones, J. Hill.
Evangeline	325	Estate W. H. Townsend, C. E. Brown, George Jacques.
Clara	307	J. W. Moody, W. H. Gridley, T. M. Lewis, J. Flint, D. C. Kelley, G. McConnell.
Elgin	299	J. W. Moody, J. Flint, F. Gardner, E. S. Williams, A. F. Stoneman, A. D. Healey, Charles Hibbert.
Gladstone	267	Dennis, J., C. E., and Israel Horton, J. J. Brown, Jr.

BRIGS.

Attie Durkee	307	Killam Bros., B. Corning, S. Killam, Jr.
Uruguay	290	Killam Bros., B. Corning, S. Killam, Jr.
Willie	282	W. D. Lovitt.
Sarah L. Hall	261	B. P. Ladd, Benjamin and Samuel B. Davis.

BRIGANTINES.

Winogene †	390	Dennis & Doane.
Premier	293	B. Rogers & Son, Pierre Cotreau, Hilaire V. Poitier.
Minnehaha	244	B. P. Ladd, Benjamin Davis.
Charles A. Hoard	240	R. Messenger, N. B. Bain.
Mary Ida	225	N. Utley and others.
Lone Star	208	H. Keneally, W. Keneally, John Keneally.
John Givan †	193	James M. Davis, S. M. Ryerson, N. B. Gardner.
Bride	178	James A. Sterritt, A. W. Blauvelt.
Sebastopol †	170	John K. Ryerson.
Anna Mitchell	170	G. G. Sanderson, H. Doane.
Alexander William	166	G. G. Sanderson.
Emeline	161	N. Churchill, Jr.
Xarua	160	Killam Bros.
Mary E. Ladd	149	B. P. Ladd.

* New vessels.

† Vessels purchased from other ports.

Block and Pump Makers.—Continued.

Ogilvie A. J. & Co. 176 Water Norfolk
Rabb George W. 10 Market..... Charleston

Boat Builders.

(See also Life Boats.)

Jones Rodney C. jr.....Alna, Me
Duran Peter.....Andover, "
Perkins Bartholomew.....Arrowsic, "
Leavitt J. S. T.....Athens, "
Maynard H. B.....Bangor, "
DYER & WILLIAMS (see page 18), north end Commercial ft
Oak.....Bath, "
HARRINGTON CHARLES B.....Front, " "
Hume Ezra....." "
Macomber C. O.....Belfast, "
Lermond Samuel.....Bemen, "
Mann C. P.....Bingham, "
Ridout C. T.....Boothbay, "
Osier William.....Bremen, "
Leach Henry J.....Brewer, "
Merrill Francis....." "
Chase Isaac.....Bridgeton, "
Bartlett George.....Sedgwick, Brooklin, "
Day Moses....." "
Blake John P.....Castine, Brooksville, "
Gray Martin V....." "
Gerrish E. H.....Brownville, "
Colby, Emory & Co.....Bucksport, "
Adams C.....Calais, "
Adams David....." "
Cookson Charles....." "
Gardiner H....." "
Moorse Silas.....Casco, "
Wilson Benjamin J.....Castine, "
Barker Oren W.....Charleston, "
Place William S....." "
Bunker John G.....Cranberry Isles, "
Gilley Elisha....." "
Gilley John....." "
Richardson E. R....." "
Spurling Enoch....." "
Stanley Enoch B....." "
Collamore Peter.....Cushing, "
Huntley Porter.....Cutler, "
Dorman Jabez.....Dalton, "
Hatch Frederick.....Dexter, "
Dyer Richard.....Durham, "

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

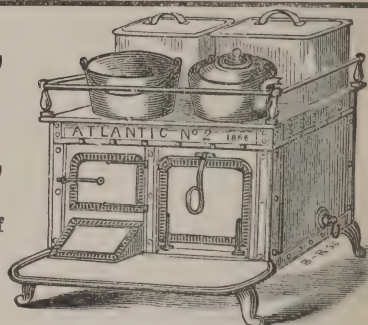
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SAIL MAKER,
WIDGERY'S WHARF,
PORTLAND.

Tents, Bags, Covers, Awnings, etc., made to order.

F. A. LEAVITT,
Manufacturer of
YACHT AND BOAT SAILS,
Awnings, Tents, Flags, Decorations, etc.,
Canvas Signs and Awning Borders
Made and Lettered in the best manner.
49 1-2 EXCHANGE STREET,
PORTLAND, ME.
All orders by mail promptly attended to.



O. M. & D. W. NASH,
No. 6 Exchange St.,
Dealers in
Ships' Caboosees, all sizes, Cabin Stoves,
Deck Irons, Ventilators, Lanterns,
Mast Head and Side Lights, and all kinds of
Galley Furniture. Repairs furnished for all
kinds of Caboose Stoves.
PORTLAND, ME.



F. & C. B. NASH,
DEALERS IN
SHIP'S CABOOSES, CABIN STOVES, SHIP LANTERNS,
Galley Furniture, etc.
Furnaces, Ranges, Parlor and Cooking Stoves.
Tin, Sheet Iron and Lead Work done at short notice.
172 and 174 FORE STREET,
PORTLAND, ME.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Observatory Signals, Portland.

SOUTH-EASTERN FLAG-STAFF FOR SHIPS AND BARKS.

- For one ship, red-and-white flag—white up.
- For two ships, red-and-white flag—red up.
- For three ships, red-and-white flag—white up and pennant over.
- For four ships, red-and-white flag—red up and pennant under.
- For one bark, red flag—white square centre.
- For two barks, same, pennant over.
- For three barks, same, pennant under.

NORTH-WESTERN STAFF FOR BRIGS.

- For one brig, blue-and-white flag—white up.
- For two brigs, blue-and-white flag—blue up.
- For three brigs, blue-and-white flag—white up and pennant over.
- For four brigs, blue-and-white flag—blue up and pennant under.
- For any square-rigged vessel, class undetermined, pennant on either staff.
- For vessel at anchor, white flag with anchor—staff determining the class.
- For a government armed vessel, American ensign with black ball under.
- All foreign vessels, excepting English mail steamers, represented by their national ensign.

STEAMERS AND SCHOONERS.

- For English mail steamships, French flag, with a pennant over, on ship staff.
- For English steamships not carrying the mail, English flag, with a pennant over, on ship staff.
- For New-York steamers, red-and-white burgee on centre staff.
- For Boston steamers, white burgee with three red bars on centre staff.
- For Halifax steamers, English jack on centre staff.
- For Penobscot, Mt. Desert, and Machias steamers, white-and-blue burgee on centre staff.
- For St. John and Eastport steamers, red burgee on centre staff.
- For Kennebec steamers, white burgee on centre staff.
- For revenue cutters, revenue flag (stripes running perpendicularly).
- For schooners in foreign trade, blue burgee on centre staff.

- For vessels ashore, flag at half-mast, staff determining the class, where practicable.
- For vessels wrecked or disabled, two pennants at half-mast, staff determining the class, where practicable.

A single white ball hoisted is the signal for a vessel three miles out requesting a tow-boat; two white balls, for same six miles out; three white balls, for one nine miles out; four white balls, for one twelve miles out.

The distance of steamers is represented by black balls hung out from the base of the ship's staff—each ball standing for half an hour.

When merchants' private signals are furnished to the proprietor of the observatory, they are hoisted instead of the general signal—the staff determining the class of the vessels.

California's Tonnage in 1874.

The number of vessels built in California during the past year was 32, aggregating 2392 tons. This does not include vessels built outside the district, nor the names of such ships as the Western Shore, of 1178 tons, and many others of comparatively large tonnage, built on Puget Sound and other places. The vessels are all of small tonnage, most of them being bay craft, with a few for the coasting trade, but the report is satisfactory, inasmuch as it shows a gain on preceding years. Twenty-three of the 32 vessels were set up and launched in San Francisco, the remaining nine being built at Little River, Humboldt, Point Arena, Suisun, Vallejo, and Oakland.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Yarmouth Shipping. (Continued from page 36.)**BRIGANTINES—(Continued).**

VESSELS' NAMES.	TONS.	OWNERS' NAMES.
Sarah Crowell.....	147	R. Messenger, N. B. Bain, George D. Morris.
Tropic †.....	145	Waitstill and George Baker.
Pronto.....	139	Ryerson, Moses & Co.
Vesta.....	135	B. P. Ladd, George H. Porter.
Dundee.....	126	N. McConnell, T. Shehan.
S. C. Shaw.....	124	S. M. Ryerson, J. K. Ryerson, Joseph Shaw.
Arthur.....	123	Aaron Goudey & Co.
M. E. Coipel.....	115	A. F. Stoneman & Co.
Clifford.....	105	B. Rogers & Son.
G. T. Winsor.....	98	A. F. Stonemar. & Co.
Sophia †.....	96	Aaron Goudey.
Constitution.....	82	Ryerson, Moses & Co.

SCHOONERS.

Anstin * (three-masted).	320	Churchill, Davis & Co., H. & R. Crosby, D. A. Saunders.
Gladiator.....	124	Young, Kinney & Corning.
Kedron †.....	120	Churchill, Davis & Co., N. B. Gardner.
Jessie Jones †.....	97	A. Goudey & Co.
Ospray.....	91	D. D'Entremont, Martin Amiro.
Excelsior.....	87	Edward S. Ellis.
Water-Lily.....	85	B. Rogers & Son.
Boadicea.....	79	Ryerson, Moses & Co.
Ariel.....	76	Ladd, Porter & Co.
Wide Awake *.....	75	A. F. Stoneman & Co., and others.
Osceola.....	69	Churchill, Davis & Co.
Brisk *.....	68	Simon D'Entremont, Jr., S. Le Blanc, and others.
E. Goodwin †.....	68	Isaac Goodwin and others.
Almira.....	66	William Weddleton, James F. Durkee.
Joe Kinney.....	66	Whitfield Ellis.
Willie Cox.....	66	G. R. Doty and others.
Minna.....	62	Ladd, Porter & Co.
Zaidee †.....	60	Thomas Gayton and others.
Salvador.....	60	W. Duon and others.
Jonathan.....	60	D'Eon and others.
Manzanilla.....	60	D'Entremont Brothers.
L. Ryder.....	59	Henry Ryder and others.
Bessie Gardner.....	59	Ladd, Porter & Co. and others.
Digby.....	58	W. G. Sims and others.
Twilight.....	58	A. F. Stoneman & Co.
Prime.....	58	S. Larkin and others.
I. Goodwin.....	58	Goodwin and Anderson.
Pandora.....	57	Young, Kinney & Corning, D'Eons.
Olika.....	56	J. H. Porter & Co. and others.
Serene.....	55	Mark Amiro and others.
Lark.....	55	J. D'Entremont and others.
Howard Locke †.....	54	J. Lennox and others.
Ottawa.....	54	Ryerson, Moses & Co.
Benjamin Killam.....	54	P. H. Durkee.
J. & J. Locke.....	54	P. D. Surette and others.
Azora.....	54	P. and S. C. D'Eon and others.
Liberty.....	53	J. C. and S. D'Entremont.
Beau Bassin.....	53	J. Murphy, B. H. and C. Hines.
J. W. S. Giffin.....	52	A. F. Stoneman & Co. and others.
Dasher.....	52	James A. Sterritt, William T. Sterritt.
Ferret Lass.....	52	J. Lyons and others.
Pursuit.....	51	E. Larkin.
M. E. Banks.....	50	A. Goudey & Co., Reuben Gardner.
Juno †.....	48	George B. and Cornelius Goodwin.
Kate.....	48	C. and G. Morrill.
Emblem.....	48	A. F. Stoneman & Co.
Young Scotland.....	47	Cyril Porter and others.
Balarose *.....	45	D'Entremont Brothers.
Pubnico Belle †.....	45	E. Nickerson.
Genuine †.....	45	E. Newell.
Margaret Elizabeth.....	45	A. F. Stoneman & Co. and others.
Shooting Star.....	45	William McDonald.
Caroline.....	45	J. & W. Larkin and others.
S. M. Ryerson.....	44	Levi Nickerson and others.
Rhuma †.....	44	Joseph W. Crowell, R. Robinson.
Forest Flower.....	40	G. B. Goodwin and others.

* New vessels.

† Vessels purchased from other ports.

Boat Builders.—Continued.

Chambers William.....	Eastport, Me
Horton John.....	West Deer Isle, "
Joyce Lemuel.....	Oceanville, " "
Kirnan William H.....	" "
Richards Simeon H.....	Eden, "
Suminsbey Jacob.....	" "
Staples Elias A.....	Eliot, "
Ames W. I.....	Fairfield, "
Barker George W.....	Gardiner, Farmingdale, "
Corrow Louis.....	Fort Kent, "
Sears Levi.....	" "
Jones L. C.....	Foxcroft, "
Eldridge A.....	Franklin, "
Morse Sylver.....	Friendship, "
Morse Warren.....	" "
Pluard Peter & Son.....	Frenchville, "
Oliver Freeman C.....	Georgetown, "
Rowe Alexander.....	" "
Mohawk Frank.....	Olamon, Greenbush, "
Bigney Benjamin S.....	Greenville, "
Harrington Daniel S.....	" "
Hodgkins Rolland.....	Hancock, "
Hodgkins William.....	" "
Durgan Paul A.....	Harpswell, "
McKenzie George W.....	Harrington, "
Lattie Robert.....	Hartland, "
Small B.....	Houlton, "
Brown William.....	Islesboro, "
Beal Ammi.....	Jonesport, "
Beal Joseph.....	" "
Trott F. E. & Co.....	Kennebunkport, "
Dixon William W.....	Kittery, "
Toby Hiram B.....	" "
Morse L. C.....	Liberty, "
Carver Charles.....	Lincolnville, "
Thomas George.....	" "
Adams B. W.....	Lubec, "
Bolok Charles.....	" "
Godfrey George W.....	" "
Godfrey John C.....	" "
Hallett Edward.....	" "
McKinley Finley.....	" "
Small Loring.....	" "
Haggerty John.....	Machiasport, "
Hathaway C. L.....	East-Machias, "
Norton Jonathan.....	Matineus, "
Young Bros.....	" "

Baltimore Copper Paint is equal to any in Use.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St. N. Y.

J. W. DEERING, Lumber and Coal Commission Merchant,

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SOUTHERN HARD PINE TIMBER, PLANK, AND BOARDS.

Schedules cut to order, either from the Mills at Cedar Key, Jacksonville, Brunswick, Port Royal, or Savannah, or furnished from my stock in yard, which is the only assortment east of Boston.

For Ship, Factory, Bridge, or Car Builders.

Orders by mail promptly filled.

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MARINE, STATIONARY, & PORTABLE STEAM ENGINES,

Hoisting Engines, Tug Boats, Steam Yachts,

Boilers, Tanks, Pulleys, Shafting, Gearing, Elevators, and Derricks. Ship Castings of every description. Agents for Rue's Little Giant Injector.

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W. H. FESSENDEN, Proprietor, }
R. PHENIX, Superintendent. }

PORTLAND, ME.

C. A. DONNELL,

(ESTABLISHED 1853.)

Brass Founder

AND DEALER IN

Ship Trimmings, Ship's Composition, Castings of every description, Ship's Main Bilge and Force Pumps, Air Ports, Water Closets, Bells, Ventilators, etc., etc. Sheet Brass, and Brass Wire, all sizes; Bolt Copper, Sheet Lead and Lead Pipe, Spelter, Antimony, Babbitt Metal and Pig Tin; Copper Weather Vanes, all styles; Ale and Beer Pumps. House, Ship, and Steamboat Plumbing.

Particular attention to Brass and Composition Castings.

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O. M. Vesper & Co., Ship Broker, Baltimore, Md.

Boat Builders.—Continued.

Thomas B.	Maxfield, Me
Savage H. D.	Milo, "
Daine Joseph.	Monson, "
Moody J. H.	Edes Falls, Naples, "
Wheeler James.	New-Castle, "
Clarke E. K.	Nobleboro, "
Cummings C. B.	Norway, "
Ames Robert.	North-Haven, "
Calderwood H. E.	" "
Dyer Wesley.	" "
Philbrook Thomas.	Northport, "
Carleton O. H.	Oldtown, "
Wallace William.	" "
Lewis William.	Orland, "
Vinal E. M. H.	Orono, "
Gunther Thomas.	Parkman, "
Ramsdell David.	Pittston, "
Small John A.	Phippsburg, "
DEGUIO & DOYLE (see page 50), 207 Fore.	Portland, "
GRIFFIN & TWITCHELL (see page 50), 307 Commercial.	" "
ROBERTS THOMAS F. & CO., 43 Commercial.	" "
Simonton & Lee, nr new Custom-House.	" "
Jones Albert.	Presque Isle, "
Tibbetts Luther F.	Rangely, "
Tufts S. B.	" "
Laskey Leonard.	Robbinston, "
Albree N. F.	Rockland, "
Andrews William.	Rumford, "
Frost Simeon F.	" "
Milliken & Googins.	Scarborough, "
Merrill T. T. & Son.	Searsport, "
Lord James.	Sebago, "
Cooper Andrew.	Sedgwick, "
Hartford James.	Smithfield, "
Simonds Joseph.	Smithfield, "
Witham Waterman.	Somerville, "
Gray A. W.	Southport, "
Baldwin A. F.	Springfield, "
Durgin Sumner F.	Stoneham, "
Preble M. H.	Sullivan, "
Cousins A. P.	Surry, "
Eldridge Edgar A.	" "
Joyce Henry D.	Swan's Island, "
Joyce James.	" "
Williams Daniel P.	The Forks, "
Young C. C.	" "
Strout Alfred C.	Thomaston, "

New Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

Yarmouth Shipping. (Continued from page 40.)**SCHOONERS—(Continued).**

VESSELS' NAMES.	TONS.	OWNERS' NAMES.
Dot.....	40	Ryerson, Moses & Co.
Azoff.....	40	Morris Forbes and others.
William McLeod.....	39	S. Amiro and others.
West Point.....	38	A. Goudey and others.
Jean Porter.....	38	A. F. Stoneman & Co. and others.
Laughing Water †.....	37	John Goodwin and others.
M. & L. White.....	36	Silvine Le Blanc and Brother.
Benjamin Kelley *.....	35	R. D'Entremont and others.
Alma †.....	35	John Goodwin and others.
Enchantress.....	35	S. D'Entremont 3d and others.
Nancy Ann.....	35	P. D. Surette and others.
Clementina.....	34	C. and G. Morrill.
Frances.....	34	N. Landers, A. C. Robbins.
Morning Star †.....	33	Mark and Vincent Coutreau.
Pigeon.....	33	Frank Coutreau and others.
S. B. Nickerson.....	33	S. B. Nickerson and others.
Honrietta.....	33	A. F. Stoneman & Co. and others.
Almira.....	33	A. F. Stoneman & Co.
Two Brothers.....	32	J. and W. Larkin and others.
Blooming Dale †.....	30	Theodore Churchill.
Elizabeth.....	30	F. Doucette.
Lillian.....	30	James Spinney and others.
Lydia.....	30	E. Spinney.
Zambezee.....	30	J. A. and F. D'Entremont.
Ellen.....	29	A. Goudey & Co.
Emma.....	28	Peter and Gabriel Muise.
Maggie Rose.....	28	A. Mulason and others.
Adelaide.....	27	Samuel Churchill.
Tivy.....	27	L. Le Blanc and others. †
Chesapeake.....	26	A. Goudey & Co.
Triumph.....	26	F. J. D'Entremont and others.
Joseph.....	25	Joseph Bourque.
I. H. Goudey.....	25	J. Amiro, William Ricker, and others.
E. A. Rogers.....	25	Doty, Killam & Co.
Mary Rose.....	25	Louis P. Amiro and others.
J. Corning.....	25	P. Le Blanc and others.
Azalia.....	25	F. D'Entremont and others.
Bee.....	24	Reuben Gardner.
Sarah.....	22	B. Ellenwood and others.
Alice May.....	21	Richard Hood.
Exchange.....	21	J. Surette and others.
Sea-Bird.....	21	B. Rogers, David Beveridge.

ABSTRACT OF THE SHIPPING OF YARMOUTH.

3 Steamers.....	607 tons.
40 Ships.....	40,142 "
90 Barques.....	59,263 "
4 Brigs.....	1,149 "
26 Brigantines.....	4,382 "
98 Schooners.....	4,923 "
261 Vessels, measuring.....	110,466 "
Increase during the past year, 13 vessels.....	14,534 "

VESSELS BELONGING TO YARMOUTH AT DIFFERENT PERIODS SINCE 1761.

Year.	No. of Vessels.	Tons.	Year.	No. of Vessels.	Tons.	Year.	No. of Vessels.	Tons.	Year.	No. of Vessels.	Tons.
1761	1	25	1823	73	3,664	1848	123	16,604	1863	154	50,130
1762	4	80	1832	88	4,348	1849	130	16,537	1864	187	64,102
1767	7	156	1836	103	6,855	1850	113	17,890	1865	199	71,830
1791	26	554	1837	108	7,475	1852	106	18,888	1866	187	73,055
1808	41	1,880	1838	119	9,209	1854	120	20,994	1867	261	77,084
1814	42	2,130	1839	120	10,301	1855	128	25,690	1868	267	78,590
1815	49	2,441	1840	124	10,541	1856	105	24,881	1869	263	81,896
1816	69	3,854	1841	126	13,389	1857	107	30,844	1870	258	82,147
1817	71	3,848	1842	120	13,765	1858	117	35,714	1871	262	90,668
1819	72	3,403	1843	96	12,600	1859	123	35,860	1872	257	95,182
1820	67	2,877	1844	88	11,407	1860	133	36,514	1873	248	95,932
1821	68	3,191	1846	100	12,585	1861	149	39,713	1874	261	110,466
1822	65	3,000	1847	114	13,590	1862	161	45,198			

* New vessels.

† Vessels purchased from other ports.

Boat Builders.—Continued.

Willard James F.	Thomaston, Me
Clinkard William	Seal Grove, Tremont, "
Rich Maurice P.	" "
Leland Nathan	Trenton, "
Thompson Thomas	Unity, "
Douglass Charles	Upton, "
Michaud Israel	Van Buren, "
Arey J. D.	Vinalhaven, "
Tolman Jefferson	" "
Hodgdon Woodbury	Westport, "
Ladd Porter	Weld, "
Mann Aaron	Windham, "
Seabury W. C. & E.	Yarmouth, "
Green Samuel S.	Portsmouth, N. H.
Crosby Horace S. & Co.	Osterville, Barnstable, Mass
Anderson William L. ft K.	City Point, South-Boston
BIBBER R. W. ft 6th	" "
Cox James, 165 Sumner	East-Boston
Cragin & Sheldon, Atlantic ave.	Boston
Davis C. A. 165 Sumner	East-Boston
DOLAN M. J. 117 Sumner	"
Horgan Thomas, E. 7th	Boston
HUTCHINGS & PRYOR (see page 102), City Point whf.	South-Boston
LAWLEY GEORGE & SON (see page 102), City Point.	"
Macomber C. D. 831 E. 6th	Boston
Moore William, Chaucer nr Pope	East-Boston
NORCROSS WILLIAM T. (house Malden, Mass.) 421 Commercial	Boston
O'Riley Garrett, Carlton's whf	East-Boston
PARTELOW CHARLES M. (see page 102) 353 Commercial	Boston
Pierce Bros. 819 E. 6th	South-Boston
PIERCE & RITCHIE, 115 Sumner	East-Boston
White A. F. 421 Commercial	Boston
Winsor Parker, 13 Commercial whf.	"
Small Jonathan	Chatham, Mass
Peeter James	North-Cohasset, "
Allen James	Fair Haven, "
Delano Joshua	" "
Hurschell William H.	" "
Andrew H. N. & Co	Gloucester, "
Davis Bros	" "
Davis Elias & Son	Annisquam, "
Higgins & Gifford	" "
Huntington Charles	" "
Watson Nathan B	Kingston, "

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C. H. RANDALL.

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Keel Pieces.

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ROAD SLEEPERS.

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ing. Manufactory, Bath, Me.**

Boat Builders.—Continued.

Chapman Charles H.	Lynn,	Mass
Procter Joseph A.	"	"
Keating John H.	Marblehead,	"
Jenney Alonzo M.	Mattapoisset,	"
Robinson James H.	"	"
Burdett Barzillia R.	Nantucket,	"
Allen Bartlett.	New-Bedford,	"
Allen Thomas N.	"	"
Beetle James.	"	"
Butler William F.	"	"
Cranston John.	"	"
Cranston J. Miller.	"	"
Eldredge S. B.	"	"
Smith William H.	"	"
Morse William H.	Newburyport,	"
Orne & Rolfe.	"	"
Kelley David.	Provincetown,	"
McKenzie Alexander.	"	"
Smith William W.	"	"
Watson E.	Plymouth,	"
Maybury W. F.	Quincy Point,	"
Hatch L. B.	Salem,	"
Coffin A. B. & J. M.	Salisbury,	"
Coffin Samuel.	"	"
Currier Joseph B.	"	"
Kensington & Lowell.	Salisbury Point,	"
Lowell Hiram & Son.	"	"
Lowell William D.	"	"
Morrill Ezra C.	"	"
Morrill George H.	"	"
Morrill William C.	"	"
True David.	"	"
Turner William C.	Scituate,	"
Knowlton J. A.	Swampscott,	"
Small Warren T.	"	"
Cleveland William.	Vineyard Haven, Tisbury,	"
Gifford Charles.	"	"
Herreshoff John B.	Bristol,	R. I
Cross Charles.	Charleston,	"
Grant Willard.	Cumberland,	"
Sheldon Manning.	"	"
Thompson David.	"	"
Harris Orin.	Gloucester,	"
Larkin J. Ashaway.	Hopkinton,	"
Southwick Joseph.	Middletown,	"
Albro James G.	Newport,	"
Alger Nicholas B.	"	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wenson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Scale of Port Charges at Port Caledonia, Cape Breton.**PILOT FEES.**

Vessels under 100 tons.....	\$4 00
“ from 100 to 150 tons.....	5 00
“ “ 150 to 200 “.....	6 00
“ “ 200 to 250 “.....	7 00
“ “ 250 to 300 “.....	8 00
“ “ 300 to 350 “.....	9 00
“ “ 350 to 400 “.....	10 00
And every additional 50 tons add.....	1 00

Rates of Trimming.

Vessels carrying over 200 tons, with three hatches.....	6 cts. per ton.
“ “ “ “ “ “ two “.....	7 “
“ “ “ “ “ “ one “.....	8 “
Double-decked vessels carrying 500 tons, $\frac{1}{2}$ a cent per ton additional on the above rates.	

Horse and driver, hoisting ballast.....	30 cts. per hour.
Laboring men, “ “.....	\$1.25 per day.
Water.....	50 cts. per 100 gallons.
Entering and clearing foreign vessels.....	\$1.50.
“ “ “ British “.....	1.00.
Towage.....	5 cts. per ton registered tonnage.

All the above charges are optional with the captains, except trimming, entering, and clearing.

Port Caledonia is a perfectly safe harbor, lying about twelve miles from Sydney, and is accessible during ten months of the year.

Vessels calling for orders can obtain charters at the highest rate for the United States, Canada, and the West-Indies.

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Boat Builders.—Continued.

Barlow Moses.....	Newport, R. I
Caswell Benjamin S.....	" "
Caswell Lewis B.....	" "
Caswell William J. S.....	" "
Groff William B.....	" "
Hart James N.....	" "
Southwick Samuel S.....	" "
Stoddard Thomas D.....	" "
Yeomans R.....	" "
Mitchell S. D.....	New-Shoreman, "
ALMY D. D. 542 Eddy.....	Providence, "
Appleton B. 109 S. Water.....	" "
Davis Joseph, Allen's ave.....	" "
Potter Albert.....	North-Smithfield, "
Church Joseph & Co.....	Tiverton, "
Cory & Brothers.....	" "
Carr Caleb A.....	Warren, "
Thompson Samuel.....	Westerly, "
Gardner Soloman.....	Bozrah, Ct
Baldwin Herbert.....	Bradford, "
Blake Warren D.....	Brooklyn, "
Whitney Stephen.....	West-Cornwall, "
Wallace Henry B.....	Darien, "
Hayden James M.....	Essex, "
Hurlbert James D.....	" "
Tooker Niles H.....	" "
Blatchley Philo.....	Guilford, "
Fowler Horace.....	" "
Rogers John.....	Kent, "
Beebe Joseph.....	East-Lyme, "
Brockway Thomas S.....	Lyme, "
Ely Horace.....	" "
Miner Orlando.....	Old-Lyme, "
Mack Nelson E.....	Middlefield, "
Skinner Russel B.....	" "
Bostwick Ammon.....	Morris, "
Mallory Charles & Sons.....	Mystic Bridge, "
Cole Lyman.....	New-Fairfield, "
Wight Merrill.....	New-Haven, "
Raggers & Comstock.....	New-London, "
Reeves & Kelley.....	" "
Blackman Albert.....	Newtown, "
Spalding Joseph.....	North-Stonington, "
Richards & Weeds.....	South-Norwalk, "
Vantassell A.....	Riverside, "
White Peter C.....	Stratford, "
Douglass Bros.....	Thompsonville, "

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L. B. TWITCHELL. }

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Bilge Bolts. Manufactory, Bath, Me.

Tide Tables.

PORTLAND.

LATITUDE AND LONGITUDE.—Our latitude, determined by the United States Government, is :

New Post-office.....43° 39' 27" | Longitude of same.....70° 15' 40.4"
Longitude (in time) of same, 4 hours, 41 minutes, 02.7 seconds.

TIDES AT PORTLAND.—The mean interval between the moon's southing and high-water, as derived from observations of the United States Coast Survey, with a self-registering tide-gauge, from January 1 to December 31, 1865, inclusive, was eleven hours and two minutes. The mean rise and fall of the tide at the end of Central Wharf, during the same period, was, for spring tides, 10.5 feet ; for neap tides, 8.1 feet—giving a mean of 9.3 feet.

CLIMATE.—The average temperature, from observations taken at sunrise, noon, and sunset for thirty years, was as follows :

January	20	July	66
February.....	21	August.....	64
March	28	September.....	56
April	33	October	45
May	44	November.....	34
June.....	60	December	24

THE MAGNETIC VARIATION from the true north, at the present time (January, 1875), is 12.10°, *westerly*. That is, the magnetic needle points 12.8° to the west of the true north. It has been increasing since 1765, when it was 8°. In 1770 it was 8.1° ; in 1780, 8.3° ; in 1790, 8.5° ; in 1800, 8.9° ; in 1810, 9.4° ; in 1820, 10° ; in 1830, 10.6° ; in 1840, 11.2° ; in 1850, 11.8° ; in 1860, 12.2° ; in 1863, 12.4°.

Portland Steamboat Inspectors.

The United States Government inspectors of steamers are JOSEPH W. DYER, for hulls ; CHARLES STAPLES, JR., for boilers. Office, Custom House building, third story ; entrance on Commercial street.

A Treasury Decision as to when Goods are on Shipboard.

The following telegram, in answer to one from the surveyor of customs at Cincinnati, asking how he is to determine when goods are actually on shipboard, under section 5 of the act of March 3, 1875, was recently sent to that officer by the Secretary of the Treasury : "The day on which a vessel receiving goods in a foreign port, is fully laden and cleared for departure, is the date defined as that on which goods are actually on shipboard bound to the United States."

The Largest Steamships in the World.

According to the *American Manufacturer*, the six largest steamships in the world are the Great Eastern, owned by the International Telegraph Construction and Maintenance Company, 674 feet long, 77 feet broad ; the City of Peking, some months ago launched on the Delaware River for the Pacific Mail Steamship Company, 6000 tons, 428 feet long, 48 feet broad ; the Liguria, of the Pacific Steam Navigation Company, 4820 tons, 460 feet long, 45 feet broad ; the Britannic, of the White Star Line, 4700 tons, 455 feet long, 45 feet broad ; the City of Richmond, of the Inman Line, 4600 tons, 453½ feet long, 43 feet broad ; and the Bothnia, of the Cunard Line, 4500 tons, 425 feet long, 42½ feet broad.

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We desire particularly to call the attention of all Miners, Quarrymen, Builders' Ship Owners, and all users of wire rope, to this clamp.

For derricks and all hoisting apparatus it is indispensable.

It is the only article ever made that will securely hold wire rope.

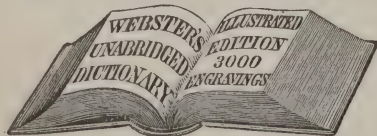
It will more than pay for itself in amount of time saved in putting up rigging, not saying any thing about the amount of rope saved.

It does entirely away with the old objections to fastening. No more wasting rope by tying, seizing, or splicing. Simply pass the rope through the grooves in the clamp, and tighten the bolts, and you have your rope more securely fastened than by any other way.

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E very scholar knows its value. [W. H. Prescott.
B est defining Dictionary. [Horace Mann.
S tandard in this office. [A. H. Clapp, Gov't Printer.
T he etymology without a rival. [John G. Saxe.
E xcel in defining scientific terms. [Pres. Hitchcock
R emarkable compendium of knowledge. [Pres. Clark.]

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10,000 Words and Meanings not in other Dictionaries. 3000 Engravings; 1840 Pages Quarto.
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"The best practical English Dictionary extant."—*London Quarterly Review*, Oct., 1872.

Published by **G. & C. MERRIAM**, Springfield, Mass. Sold by all Booksellers.

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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Boat Builders.—Continued.

Dee Horace & Bros.	Westbrook, Ct
Murdock Matthew G.	" "
Baker Bradley	Westport, "
Dean J. S.	" "
Ely H. & Co.	Winchester, "
Palmer Diodate	East-Windsor, "
Everson James, 487 First	Brooklyn, E.D.
Mumm John F. ft Court	Brooklyn
Scott Andrew, ft Noble	Brooklyn, E.D.
Smedley Henry, 363 Hamllton ave	Brooklyn
Smith James, ft Court	" "
Witman Aaron M. 3d ave ft 34th	" "
Alexander George, 224 South	New-York
Blackburn David, ft Grand	" "
Cornet William H. ft W. 51st	" "
Daley Eugene, 234 South	" "
Darling Charles H. 363 South	" "
Desmond Timothy, 299 Front	" "
Ennis Thomas, 101 Water	" "
Fennell William, 744 Water	" "
HOFFMAN & BRO. Pier 54 ft Jackson, East River	" "
Johnston & McFarland, 404 Water	" "
McNamara Thomas, 222 South	" "
Murphy John, ft W. 49th	" "
Raymond Lewis, 120 Ave D	" "
Roberts Stephen, 368 South and ft E. 11th	" "
Thomas Christian J. 279 W. 10th	" "
Vannorden & Loney, 241 South	" "
Albertson Bros. 1144 Beach	Philadelphia
Conaway & Ledyard, 844 Swanson	" "
Rihl William H. 1603 Beach	" "
Shepard George, 1115 Beach	" "
Drein Thomas & Son, Tatnall & Water	Wilmington, Del
Bradyhouse James, 60 S. Ann	Baltimore
Bradyhouse Richard, 361 S. Bond	" "
Bartlett James, ft Montgomery	" "
King Charles F. Thames s e cor Fell	" "
Miller Jacob jr. ft Ann	Baltimore
Miller John S. York e of William	" "
NEILY J. W. & CO. (see page 338) 115 Thames	" "
Rennous Edward G. 115 McElderry's whf.	" "
Rositer John F. 344 S. Caroline	" "
TURNBULL A. & BRO. 38 Thames	" "

*** Boat Detachers.**

SHAW THOMAS (see page 280), 913 Ridge ave. Philadelphia

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

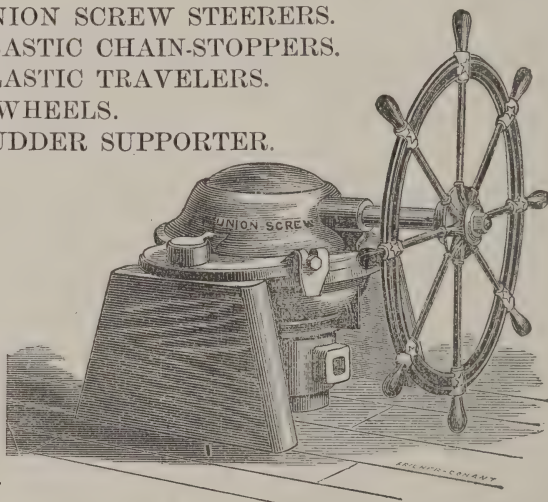
SHIP MACHINERY.

COFFIN & WOODWARD,
224 STATE STREET,
BOSTON, Mass.

UNION POWER CAPSTANS.

UNION POWER WINDLASSES,
WITH PATENT ELASTIC CHAIN STOPPERS.

PATENT UNION SCREW STEERERS.
PATENT ELASTIC CHAIN-STOPPERS.
PATENT ELASTIC TRAVELERS.
STEERING WHEELS.
PATENT RUDDER SUPPORTER.



IMPROVED VARIABLE POWER BEAM
for Common Windlasses.
BEAL'S PATENT MARINE DRAG.
BEST PATENT-LENS SIGNAL-LIGHTS.
ELASTIC RELIEVERS FOR WIRE SHROUDS. [To order.]
SHIPS' MAIN PUMPS.
SHIPS' FORCE PUMPS.
HOSE, HOSE-PIPE, etc. CAT-STOPPERS.
COMMON WINDLASSES.
WINCHES. NEW STYLE Do.
MAN-HOLE PLATES. RIDING-BITS, etc.
YACHT STEERERS, TRAVELERS, etc.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Boat Nail Manufacturers.

American Tack Co.....Fair Haven, Mass
 Field A. & Sons, 22 Spring.....Taunton, "

Boat Trimmings.

Higgins & Gifford.....Gloucester, Mass

Boiler Attachments.

(Manufacturers.)

Davis I. B. & Co.....Hartford, Ct

Boiler Iron.

LORING ABBOTT & CO. (see page 68) 103 Fulton.....Boston

Boiler Makers, Marine.

Hinckley & Egery Iron Co. Oak.....Bangor, Me
 MOULTON GEORGE & SON (see page 18), Commercial. Bath, Me
 Portland Company, R. J. Dyer agt, n e end Force.....Portland, Me
 PORTLAND MACHINE WORKS (see page 42), 215

Commercial....." "

Quinn & Co. Commercial & New Franklin....." "

WINSLOW DANIEL & SON (see page 22), 20 Union....." "

HODGE E. & CO. (see page 76) 160 Liverpool.....East-Boston

LALLY JOHN (see page 128), W. 1st cor Granite...South-Boston

MILES GEORGE (see page 76), 1st cor B....." "

OSBORN LOUIS & CO. (see page 68) 74 Lewis.....East-Boston

THE ROBINSON BOILER WORKS (see page 66), of-

fice 28 State.....Boston

CAMPBELL BROS. & CO. (see page 66), 356 Main

Cambridgeport, Mass

KENDALL & ROBERTS (see page 66), Main....." "

RAWSON & HITTINGER (see page opp in-

dex), 72 Main....." "

Fall River Iron Works Co.....Fall River, Mass

Kelly Edward....." "

Union Boiler Co.....New-Bedford, "

Salem Boiler Works.....Salem, "

Nichols & Langworth.....Hopkinton, R. I

Corliss Steam Engine Co.....Providence, "

HICKS G. G. (see page 132) 446 S. Main....." "

Hunt David, 23 Butter Exchange....." "

Miller Joseph A. 25 Butter Exchange....." "

Providence Steam Engine Co. 373 S. Main....." "

Bridgeport Boiler Works.....Bridgeport, Ct

Skidmore & Morse....." "

Bigelow H. B. & Co.....Fair Haven, "

Brown J. R. & Co.....New-Haven, "

Thamesville Boiler Works.....Norwich, "

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Small, 60 W. Pratt St., Balto.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

THE MERCANTILE NAVIES OF THE WORLD (STEAM).

We publish, under the above heading, a comparative table, containing a list of the steam vessels of the world, showing their number, tonnage, and average size, with the percentages upon total number and tonnage in the years 1870, 1873, and 1874, respectively.

NATIONALITY.	Number.			Percentage on Total No.			Average Size in Tons.			Tonnage.			Percentage on Total Tonnage.		
	1870.	1873.	1874.	1870.	1873.	1874.	1870.	1873.	1874.	1870.	1873.	1874.	1870.	1873.	1874.
American.....	597	403	613	14.47	7.83	11.43	861	1,199	1,254	513,792	433,040	798,734	13.39	11.16	14.70
Asiatic.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Australian.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Belgian.....	74	91	81	1.79	1.77	1.11	576	585	576	44,315	38,459	38,459	0.77	0.94	0.77
British.....	2,420	3,061	3,069	58.71	69.96	55.96	1,211	1,469	1,035	10,432	20,444	40,536	1.50	1.70	1.50
Central American.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Danish.....	44	71	67	1.06	1.38	1.25	275	456	582	12,055	34,498	63,332	0.23	0.80	0.10
Dutch.....	82	85	107	1.98	1.85	1.99	481	766	576	39,405	72,753	93,723	0.43	1.63	1.79
French.....	288	392	315	6.97	7.61	5.87	739	868	1,012	212,976	316,765	318,767	1.42	1.72	1.79
German.....	127	200	250	3.07	3.89	4.17	323	436	1,124	1,193	2,804	3,829	0.61	0.74	0.61
Greek.....	8	16	16	0.19	0.36	0.16	164	193	164	3,367	3,367	3,367	0.08	0.14	0.10
Italian.....	96	103	110	2.03	2.09	2.05	493	836	827	86,045	85,045	91,011	1.30	1.96	1.74
Norwegian.....	26	88	112	0.63	1.71	2.09	292	473	453	7,321	41,602	51,103	0.36	0.96	0.35
Portuguese.....	18	17	23	0.43	0.33	0.43	729	585	802	13,136	14,536	18,452	0.34	0.38	0.35
Russian.....	42	114	144	1.50	2.21	2.63	453	592	771	28,422	67,622	111,072	1.02	1.56	2.130
South American.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Spanish.....	145	203	212	3.58	3.92	3.84	422	555	723	163,012	163,012	163,012	2.61	3.50	2.970
Swedish.....	83	143	130	2.01	3.43	2.92	373	593	392	13,633	53,327	17,440	0.27	1.23	0.481
Turkish and Egyptian.....	9	29	...	0.21	0.64	...	224	339	949	...	3,949	27,530	0.07	0.77	0.530
Various.....	49	109	...	1.19	2.11	...	481	643	...	23,550	70,067	...	0.34	1.63	...
Totals.....	4,132	5,148	5,365	100.00	100.00	100.00	676	841	974	2,793,432	4,323,193	6,236,888	100.00	100.00	100.00

THE MERCANTILE NAVIES OF THE WORLD.

Mr. HENRY JERRY, in continuation of the tables forwarded to Lloyd's, has furnished the following, showing the ratio at which each country named has progressed or retrograded in its mercantile navy during the five years from 1870 to 1874 inclusive, compiled from the Universal Mercantile List of the Bureau Veritas. "It appears to me," Mr. Jerry adds, "that the facts thus exhibited are of serious interest to England as a maritime nation."

	SAILING VESSELS.			STEAMERS.			SAILING VESSELS.			STEAMERS.		
	Number.	Tonnage.	Percentage of Increase.	Number.	Tonnage.	Percentage of Increase.	Number.	Tonnage.	Percentage of Increase.	Number.	Tonnage.	Percentage of Increase.
American.....	12,09	2,22	9.13	3,62	49,62	49.62	Italian.....	97	39	37	39	150.32
Australian.....	...	...	...	6.09	6.09	6.09	Norwegian.....	29	25	29	25	588.03
Belgian.....	...	...	...	178.57	283.20	283.20	Prussian.....	11	41	11	41	390.77
British.....	...	...	...	23.74	83.25	83.25	Russian.....	9	34	9	34	37.77
Danish.....	...	...	...	6.47	22.02	22.02	Spanish.....	...	...	...	...	182.25
Dutch.....	...	...	...	13.24	30.49	30.49	Swedish.....	...	...	...	...	133.35
French.....	...	...	...	9.37	49.67	49.67	Various.....	...	...	...	...	134.24
German.....	...	...	...	73.23	165.71	165.71	Total.....	...	...	...	...	375.61
Greek.....	10.21	...	8.32	12.50	63.12	63.12						

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Boiler Makers, Marine.—Continued.

Besser George, 70 Commerce.....	Brooklyn
CONTINENTAL WORKS (see page 150), Greenpoint, Brooklyn, L. I	
Densmore Byron, Flushing ave nr Bedford ave.....	Brooklyn, E.D
Finney & Hoffman, 217 Water.....	Brooklyn
Hubbard & Whittaker, Front cor Pearl.....	"
McAdam William, ft Milton.....	Brooklyn, E.D
Taylor William, 347 1st.....	" "
Vogt Henry & Bros. 341 1st.....	" "
Williamsburg Steam Boiler Works, 66 N. 2d.....	" "
Abendroth William P. Eleventh ave cor W. 27th.....	New-York
Andrews William D. & Bro. 414 Water.....	"
Brown A. & F. 59 Lewis.....	"
Booth Samuel, 547 W. 35th.....	"
Carnie John A. 223 West.....	"
Cobanks & Theall, ft Bethune N. R.....	"
Collins William, Bogart nr Thirteenth.....	"
Fletcher, Harrison & Co. 266 West.....	New York
Fox Benjamin, 516 W. 34th.....	"
Fox George & Son, 511 W. 34th.....	"
Handren & Ripley, 126 Washington.....	"
Higgins & Ostrander, 101 Watts.....	"
Logan Farrel, 55 Goerck.....	"
Muldoon, Lynch & Co. 91 Washington.....	"
Murphy, McCurdy & Warden, 277 West.....	"
Pierrez Gustavus, 357 West.....	"
Root Steam Engine Co. 500 Second ave.....	"
Shearman Isaac H. 45 Cortlandt.....	"
Slater & O'Hara, 239 West.....	"
Townsend & Bagley, 386 South.....	"
Weston Boiler Co. 69 Liberty.....	"
HOLMES, SHAW, BROWN & CO. (see page 280) works	
Bordentown, N. J. office 402 Walnut.....	Philadelphia
WOOD, DIALOGUE & CO. (see inside front cover) Camden, N. J	
TIPPETT & WOOD (see page 150).....	Phillipsburg, "
Duncan A. & Son, Hasel nr E. Bay.....	Charleston
Eason J. M. Nassau cor Columbus.....	"
MILLER, KELLY & HUGHES (see page 392), E. Bay	
cor Pinckney.....	"
SMITH & VALK (see page 392), east end Hasel.....	"
Taylor John F. 4 to 14 Pritchard.....	"

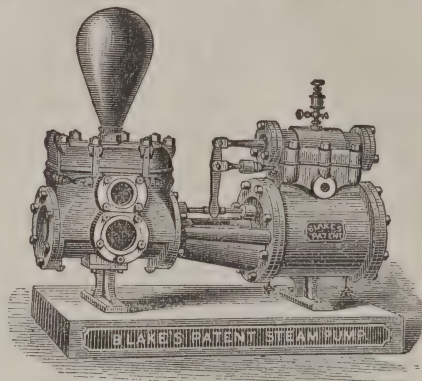
*** Boiler-Plate Iron.**

REED JOHN H. & CO. office 2 Pemberton sq. warehouse	
96 Broad.....	Boston

Baltimore Copper Paint is equal to any in use.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

BLAKE'S PATENT STEAM PUMP.



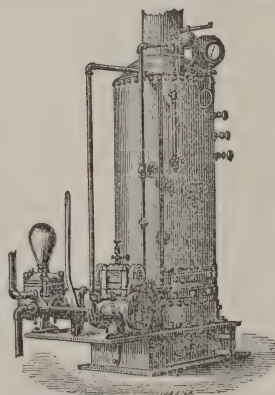
More than 8,000 in Use.

These Pumps have been adopted by the U.S. Navy, Morgan Iron Works, and others They are extensively used for general Marine purposes.

For Circulating in Surface Condensers, Pumping Bilge,
Feeding Boilers, Washing Decks, Fire Purposes,
And for Wrecking in case of Leakage.

A small portable Boiler moved to any part of a much water as 20 ordinary very small quantity of coal, pumping duty.

Such Pumps can be run fires under the ship's boilers.



and Pump, which can be vessel, will discharge as ship pumps, using but a thus relieving the crew of

after water has put out the Send for Circulars.

GEO. F. BLAKE M'F'G CO.,

CAUSEWAY STREET, BOSTON;

86 & 88 Liberty Street, New-York;

50 & 52 SO. CANAL ST., CHICAGO.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**RATES ADOPTED BY THE
BOSTON TUG-BOAT ASSOCIATION.
OF BOSTON, MASS.,
FOR TRANSPORTATION AND SERVICE BY STEAM-TUGS.**

Extracts from Minutes of Meeting of the Association held March 3, 1869.

Resolved, That on and after the 15th inst. not less than the following-named rates or prices shall be charged for transporting or services rendered by Steam-Tugs owned, represented, or controlled by members of this Association.

For Towing Ships, Barks, and Brigs about the Harbor below Bridges, and not across the Flats.

250 tons and less.....	\$7	300 to 450 tons.....	\$10	600 to 1000 tons.....	\$15
250 to 300 tons.....	8	450 to 600 ".....	12	1000 to 1500 ".....	18
Over 1500 ".....					20

Barks and Brigs less than 300 tons, \$1.00 less than above when light.
Steamers same price as above, unless over 1500 tons; a special bargain will then be made.

Schooners and Sloops.

Less than 50 tons.....	\$4	150 to 300 tons, loaded.....	\$7	500 to 650 tons.....	\$10
50 to 100 tons.....	5	300 to 400 ".....	8	Over 650 ".....	12
100 to 150 " loaded.....	6	400 to 500 ".....	9	Under 500 " \$1 less when light.	

Vessels towed to Chelsea.....\$2 extra.
Vessels above Whidden's Dock to go to Chelsea to pay only City rates.

To Castle.

Less than 250 tons.....					\$10
250 to 300 tons.....	\$12	450 to 600 tons.....	\$18	1000 to 1500 tons.....	24
300 to 450 ".....	15	600 to 1000 ".....	20	Over 1500 tons.....	27

To Long Island Head.

Less than 250 tons.....	\$15	300 to 450 tons.....	\$22	600 to 1000 tons.....	\$30
250 to 300 tons.....	18	450 to 600 ".....	25	1000 to 1500 ".....	35
Over 1500 ".....					40

To Boston Light.

Less than 250 tons.....	\$30	300 to 450 tons.....	\$38	600 to 1000 tons.....	\$45
250 to 300 tons.....	25	450 to 600 ".....	35	1000 to 1500 ".....	50
Over 1500 ".....					55

Towing Outside the Light per hour, until Boat is back to Light.

20-inch cylinder.....	\$15	17-inch cylinder.....	\$12	12" \$12 for large, and \$10 for small	
16 ".....	13	16 ".....	12	tugs, for harbor work.	

If Boat is ordered to Vessel and Vessel is not ready, half-price per hour while waiting.

Across South-Boston Flats.

Less than 100 tons.....	\$7	150 to 300 tons.....	\$9	Over 350 tons.....	\$15
100 to 150 tons.....	8	300 to 350 ".....	10	Towing out, light, \$1 less.	

Tending Launch.

Less than 500 tons.....	\$20	500 to 1200 tons.....	\$25	Over 1200 tons.....	\$30
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Spile-Drivers.

Same price as Vessels of 100 tons.

Rafts, with or without Spile-Drivers.

Price to be made.

Vessels to Sea—Towing from Wharf, to make sail or anchor, not below Slate Ledge Buoy, same as moving in the Harbor.

Getting Vessels under way in Stream, same as moving from Wharf to Stream.

Penniman's Wharf.

Less than 100 tons.....	\$10	Over 100 tons.....	\$15
-------------------------	------	--------------------	------

Towing out, \$2 less.

Burham's Wharf.

Less than 100 tons.....	\$15	Over 100 tons.....	\$20
-------------------------	------	--------------------	------

Towing out, \$5 less.

To Commercial Point and Dorchester, from City or Thompson Island.

Less than 200 tons.....	\$20	200 to 350 tons.....	\$25	Towing out.....	\$5 less.
-------------------------	------	----------------------	------	-----------------	-----------

To Neponset, from City or Thompson Island.

Less than 200 tons.....	\$25	200 to 350 tons.....	\$28	350 to 450 tons.....	\$30
-------------------------	------	----------------------	------	----------------------	------

To Milton.

From City.....	\$40	Back to City.....	\$30
" Thompson Island.....	35	" Island.....	25

To Weymouth and Braintree.

From City.....	\$45	Back to City.....	\$35
" Quincy Bay.....	35	" Quincy Bay.....	25

If Boat is there and second Vessel, or more, to go up river, Captain to make the Rate.

To East-Weymouth and Quincy Point from City or Roads.

Less than 100 tons.....	\$25	100 to 250 tons.....	\$35	Over 450 tons.....	\$40
250 to 350 tons.....	\$30	350 to 450 tons.....	\$35	Over 450 tons.....	\$40
Back.....					\$5 less.

Breaking Ice, not less than \$12 per hour.

New-Bedford Caboosees and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

The Simpson Patent Dry Dock Corporation

Beg leave to call your attention to the Docks they have had in operation at East-Boston for a term of years, *also to one of very Large Dimensions* recently finished. Comprising in all:

One Dock, or No. 1, 365 ft. long, 86 ft. wide, 68 ft. at gate, with average depth of 17 ft. of water.

One Dock, or No. 2, 250 ft. long, 75 ft. wide, 45 ft. at gate, with average depth of 16 ft. of water.

One Dock, or No. 3, 165 ft. long, 46 ft. wide, 32 ft. at gate, with average depth of 13 ft. of water.

These Docks are built upon solid foundations, in the most substantial manner, capable of supporting the heaviest class of sailing ships and steamers, thus furnishing the most convenient, safe, and ample accommodations for making repairs.

They feel warranted also in stating that repairs on vessels (iron or wood) can be made as advantageously in Boston, in respect to material, labor, and dock fees, as in any other part of the country, and respectfully solicit your patronage.

E. H. BAKER, President.

OCTAVIUS HOWE, Superintendent,

223 Commercial Street, Boston.

ESTABROOK & ROBINSON,

Successors to A. B. WHEELER & CO.,

IMPORTERS OF

CROCKERY AND CHINAWARE,

69 BROAD STREET.

English Common Ware, and American Rockingham and Yellow Ware by the original package, or repacked to order in large or small lots to suit the buyer. Table Glassware and Lamp Goods, including Tessa's Patent Reflecting Burner. Fireside, Sun, and Argand Burners and Chimneys. A full line of Sample Bottles and Stone-ware of every description.

CHAS. T.



DERRY,

C. H. EDWARDS & J. H. WHITE,

Sea Wall and Wharf Builders,

Office, 68 Devonshire Street, Room 77,

Mechanics' Exchange, Box 70,

17 COURT STREET.

BOSTON.

Lighters furnished for unloading vessels and removing heavy materials to any part of the Harbor.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Boiler Tubes.

BRIDGEWATER IRON CO. Stetson & Pratt agts (see page 74), 28 Broad.....	Boston
LORING ABBOTT & CO. (see page 68) 103 Fulton.....	"
Bailey W. H. 180 Pearl.....	New-York
BRIDGEWATER IRON CO. George B. Stetson agt (see page 74), 73 Pearl.....	"
McNab & Harlin Manuf. Co. 56 John	"
Prosser Thomas & Son, 15 Gold.....	"
Stetson George B. 73 Pearl.....	"
Merchant & Co. 507 Market.....	Philadelphia

Boiler and Pipe Composition.

(See *Feltors*.)

Boiler and Tube Cleansing Compounds.

HOUGHTON R. J. 15 Hudson and 130 Reade.....	New-York
Lord George W. 232 Arch.....	Philadelphia
Wood Charles E. 923 N. Delaware ave.....	"

* Bolt Rope, Russia.

FEARING, RODMAN & SWIFT (see inside back cover), 23 & 25 Commercial.....	Boston
BRINCKERHOFF, TURNER & CO. (see page 166) 109 Duane.....	New-York

* Bonds and Stocks.

STONE & DOWNER (see page 86), 28 State.....	Boston
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Bookcase Bedstead.

FERGUSON & WOOD (see page D front fly-leaves), 46 South	New-York
---	----------

* Buoys, Ring Life.

BURHANS & GEORGE (see page 252), 164 Maiden lane.	New-York
---	----------

Brass Butt Hinges.

Wrought.

BENEDICT & BURNHAM MFG. CO. (see back cover) 55 & 57 Oliver.....	Boston
--	--------

Brass Founders.

TORREY MANUFACTURING CO. (see margin lines, also page opp index) Commercial.....	Bath, Me
DONNELL C. A. (see page 42) 118 Fore.....	Portland
BLAKE WILLIAM & CO. (see page B front fly-leaves) Allen cor Brighton	Boston

Baltimore Copper Paint is unsurpassed.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

ESTABLISHED 1825.

CROCKER BROTHERS & CO.,
TAUNTON, MASS.

Manufacturers of and Dealers in

Taunton Yellow Metal Sheathing,
SHEATHING, COPPER AND ZINC,
COPPER AND YELLOW METAL BOLTS, NAILS, AND SPIKES,
SHEATHING FELTS AND PAPER.

Cash Paid for Old Yellow Metal, Brass, Copper, etc., etc.

WAREHOUSE IN BOSTON, 11 BROAD STREET.
IN NEW-YORK, 232 SOUTH STREET.

PRINCIPAL OFFICE AT TAUNTON, MASS.

Agents in Baltimore, E. PRATT & BRO.

- “ “ Philadelphia, SHOEMAKER, VOUTE & BUCK.
“ “ New-Orleans, STAUFFER, KENT & CO.
“ “ Portland, LYMAN, SON & TOBY.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Rates Boston Tug-Boat Association.—Continued.

THROUGH SOUTH-END BRIDGES.

Through One Bridge		—Two—		Three Bridges.	
Less than 100 tons.....	\$ 8	Less than 100 tons.....	\$10	.....	\$12
100 to 250 tons.....	10	100 to 250 tons.....	12	.....	15
250 to 350 ".....	12	250 to 350 ".....	13	.....	15
350 to 450 ".....	15	350 to 450 ".....	15	.....	18
450 to 550 ".....	18	450 to 550 ".....	18	.....	20
Over 550 ".....	18	Over 550 ".....	20	.....	23

Towing down, \$1 less.

Towing down, \$2 less.

Towing down, \$2 less.

Through Four Bridges		—Five—		Six Bridges.	
Less than 100 tons.....	\$17	.....	\$21	.....	\$24
100 to 250 tons.....	20	.....	24	.....	29
250 to 350 ".....	20	.....	24	.....	32
350 to 450 ".....	22	.....	26	.....	34
450 to 550 ".....	25	.....	29	.....	39
Over 550 ".....	28	.....	32	.....	44

Towing down, \$2 less.

Towing down, \$2 less.

Towing down, \$5 less.

All Vessels towed through Five or Six Bridges, under 150 tons, \$4 less.

If Boat come second tide, Captain to arrange price.

From Bridges to Roxbury.

From second Bridge.....	\$20	From third and all other Bridges.....	\$15
If Tug is at Dover St. Bridge, and Vessel to be towed over,—100 tons, \$5; over 100 tons, \$10.			

THROUGH NORTH-END BRIDGES.

Through One Bridge		—Two—		Three Bridges.	
Less than 100 tons.....	\$ 8	.....	\$11	.....	\$14
100 to 300 tons.....	11	.....	15	.....	19
300 to 400 ".....	13	.....	18	.....	23
400 to 500 ".....	14	.....	19	.....	24
500 to 650 ".....	15	.....	20	.....	25
Over 650 ".....	17	.....	22	.....	27

Towing down, \$1 less.

Towing down, \$2 less.

Towing down, \$2 less.

Through Four Bridges		—Five—		Six Bridges.	
Less than 100 tons.....	\$17	.....	\$30	.....	\$23
100 to 300 tons.....	23	.....	27	.....	31
300 to 400 ".....	23	.....	33	.....	38
400 to 500 ".....	29	.....	34	.....	39
500 to 650 ".....	30	.....	35	.....	40
Over 650 ".....	32	.....	37	.....	42

Towing down, \$2 less.

Towing down, \$2 less.

Towing down, \$2 less.

Through Seven Bridges		—Eight—		Eight Bridges.	
Less than 100 tons.....	\$26	Less than 100 tons.....	\$29	.....	\$29
100 to 300 tons.....	35	100 to 300 tons.....	39	.....	39
300 to 400 ".....	43	300 to 400 ".....	43	.....	43
400 to 500 ".....	44	400 to 500 ".....	49	.....	49
500 to 650 ".....	45	500 to 650 ".....	50	.....	50
Over 650 ".....	47	Over 650 ".....	52	.....	52

Towing down, \$2 less.

Towing above the eighth Bridge, special bargain to be made.

Towing through Prison Point Bridge to East-Cambridge, special bargain to be made.

Through Navy-Yard Bridge.		Through Chelsea Bridge.		To Charlestown Gas-Works.	
Less than 100 tons.....	\$ 8	.....	\$10	.....	\$12
100 to 250 tons.....	10	.....	12	.....	15
250 to 350 ".....	12	.....	14	.....	18
350 to 450 ".....	14	.....	16	.....	22
Down light.....				.....	\$1 less.

Through East-Boston and Chelsea Bridge.

Less than 100 tons.....	\$ 9	350 to 450 tons.....	\$14	600 to 1000 tons.....	\$20
100 to 250 tons.....	11	450 to 600 ".....	16	Over 1000 ".....	25
250 to 350 ".....	12			Down light.....	\$1 less.

Coalers to Medford and Malden.

Ice Vessels to Medford.

Up.....	\$35	Down.....	\$25	Up.....	\$30	Down.....	\$40
Lumber Vessels, \$27 up, and \$23 down.							

Oystermen.

To Hog Island—Down.....	\$15	Back.....	\$14
" White Island—2 bridges.....	15	".....	13
".....	18	".....	15

Point Shirley and Deer Island.

100 to 250 tons.....	\$25	250 to 350 tons.....	\$27	350 to 450 tons.....	\$30
Back.....					\$5 less.

To Saugus and Lynn.

From City.....	\$55	From Lynn Bay.....	\$45	Back.....	\$10 less.
----------------	------	--------------------	------	-----------	------------

Fishing Smacks, and work for Wharfinger, to be agreed upon. Vessels from Stream to Wharf, Wharfinger to pay Harbor rates. Vessels to be called light when empty, and when partially loaded with outward Cargo. All partially loaded with inward Cargo, to be considered loaded. Tugs not accountable for damage while towing through Bridges.

THESE PRICES TO BE STRICTLY ADHERED TO, AND NO COMMISSION, DISCOUNT, OR ALLOWANCE TO BE MADE.

By Order of the Association.

T. I. WINSOR. ROGERS & SEARS. F. C. CATES. JOHN DAVIS. L. F. BAKER, 2d.
R. C. HERRING. A. C. WHITNEY. T. B. SPRAGUE & CO.

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Port Charges.—United States.

EASTPORT, ME.: Disbursements of a vessel of 500 tons register:

Tonnage dues, at 30 cts. per ton.....	\$150 00
Custom House fees.....	8 00
Consul's fees.....	4 50
Six days' wharfage, at \$1.50.....	9 00
Labor, discharging.....	96 00
Sundries.....	50 00
2½ per cent commission on \$2500 freight.....	62 50

\$360 00

Cash paid market bill.....	60 00
----------------------------	-------

\$420 00

BATH, ME.: Expenses of a vessel of 1094 tons register:

Pilotage inward.....	\$30 00
Custom House entry.....	10 30
Towage inward.....	100 00
Tonnage dues, 1094 tons, at 30 cts.	328 20
Stevedore, discharging 1609 tons iron, at 40 cts. per ton.....	643 60
Costs, 320 tons ballast and trimming, at \$1.25 per ton.....	400 00
Towage outward.....	100 00
Clearance at Custom House.....	7 10
Pilotage out.....	10 00

\$1629 20

GLOUCESTER, MASS.: Rates of Pilotage:

Vessels drawing less than 12 feet, per foot.....	\$1 00
“ “ from 12 to 15 “ “	1 30
“ “ “ 15 to 18 “ “	2 00
“ “ “ 18 to 21 “ “	2 50
“ “ “ 21 to 25 “ “	3 50

On vessels outward bound, three quarters of the above rates.

For Customs charges, see United States Custom Dues.

BOSTON: Dues and charges on a vessel of 174 tons register, from Pernambuco, with cargo of sugar, outward in ballast:

Entering at Custom House.....	\$8 00
Tonnage dues on 174 tons.....	52 40
Certificate of measurements.....	15 00
Inward pilotage, \$42.68 }	60 19
Outward “ \$17.51 }	
Towage inward.....	7 00
Advertising crew.....	1 50
Port Wardens.....	4 00
Stevedore, discharging.....	96 00
Cash advanced to captain.....	667 33

Total, currency.....\$911 42

Brass Founders.—Continued.

HILL ROWLAND, 157 Border.....	East-Boston
GREGORY JAMES (see page 252), 106 Cannon.....	New-York
BOESCH J. U. 16 State.....	Charleston
BULL EDMUND, 132 E. Bay.....	"

Brass, Sheet.

(Manufacturers.)

Jenness Thomas & Son, 12 W. Market sq.....	Bangor, Me
BENEDICT & BURNHAM MFG. CO. (see back cover)	
55 & 57 Oliver.....	Boston
Holmes, Booth & Haydens, 18 Federal.....	"
PLUME & ATWOOD MFG. CO. (see page 66) 13 Federal	"
Wallace & Sons.....	Ansonia, Ct
ANSONIA BRASS AND COPPER CO. 19 & 21 Cliff	New-York
Benedict & Burnham Manufacturing Co. 17 N. 7th.....	Philadelphia
Merchant & Co. 507 Market.....	"

*** Bridge Builders.**

CONTINENTAL WORKS (see page 150), Greenpoint, Brooklyn, L. I	
CONTINENTAL BRIDGE CO. 110 S. 4th.....	Philadelphia
KEYSTONE BRIDGE CO. 426 Walnut.....	"

*** Brokers, Custom House.**

STONE & DOWNER (see page 86), 28 State.....	Boston
---	--------

*** Brokers, Real Estate.**

BEECKMAN L. & T. H. (see page 192) 81 Cedar.....	New-York
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*** Brokers, Scrip.**

COOK GEORGE E. & CO. 49 Wall.....	New-York
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Brokers, Ship.

Lennan A. & Son.....	Bangor, Me
Lord Henry.....	" "
McConville Pierre.....	" "
Parsons S. D.....	" "
Drake J. B.....	Bath, "
Drummond James.....	" "
Patten, Jarvis & Co.....	" "
Plummer & Eaton.....	" "
Shaw S. S.....	" "
Bailey Augustus.....	Gardiner, "
Blanchard & Reed.....	" "
BUNKER BROS. 168 Commercial.....	Portland, "
CHASE CHARLES H. & CO. (see page 26) 113 Com-	
mercial.....	" "

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St. N. Y.

Charles River Iron Works.

KENDALL & ROBERTS,

MANUFACTURERS OF

STEAM BOILERS, SHIP TANKS,

And Plate-Iron Work of all Descriptions.

Boilers from 3 to 80 horse power constantly on hand. Material for Ship Tanks constantly on hand, and Tanks built and shipped at short notice.

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Factory at Waterbury, Conn.

Mill at Thomaston, Conn.

THE PLUME & ATWOOD M'F'G CO.,

MANUFACTURERS OF

Brass, German Silver, and Gilding Metal,

IN SHEET, ROLL, AND WIRE.

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D. S. PLUME, Treas.

L. J. ATWOOD, Sec.

SHOE EYELETS, CAPPED SCREWS, Etc.

CAMPBELL BROS. & CO.,

BOILER MAKERS,

Ship and Water Tanks,

Soap and Tar Kettles, Marine Boilers.

Assortment of the above constantly on hand or made to order, as desired.

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The Robinson Boiler Works,

(Successors to Maynard's Iron Works.)

MARINE BOILERS MADE AND REPAIRED,

Oil and Water Tanks,

NEW STREET, EAST BOSTON.

Manufacture the J. R. Robinson Boiler, the safest, most durable, and most economical Steam Boiler in use; the Robinson Surface Condenser.

SHIPS' TANKS MADE IN THE BEST MANNER AT SHORTEST NOTICE.

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Office:

28 State Street, Boston.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Public Buildings and Exchanges in Boston.

Boston Custom-House, India cor State
 Boston Mariner's Exchange, Lewis cor Commercial
 Boston Post-Office, Devonshire cor Water
 Boston Board of Trade, Merchants' Exchange, State
 Boston Commercial Exchange, Merchants' Exchange, State
 Boston Clearing House, 65 State
 Lighthouse Establishment Inspector's office, 2d dist. 14 Pemberton sq

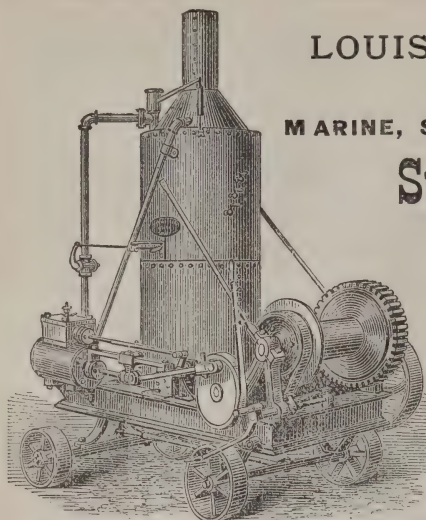
Foreign Consuls, Boston.

Argentine Republic, David D. Stackpole, 48 State (room 10)
 Austrian Vice Consul, 6 Oliver
 Belgian, H. W. Warren, 6 Central whf
 Brazilian Vice Consul, H. C. Adams, 6 Central whf
 British Consul, C. A. Henderson, 78 Devonshire (room 78)
 British Vice Consul, W. H. Stuart, 68 Devonshire (room 55)
 Danish Vice Consul, E. C. Hammer (G. Lootz acting), 6 Central whf
 French Consular Agent, J. A. Iasigi, 29 Exchange (room 29)
 German Empire Consul, S. B. Schlesinger, 6 Oliver
 Mexican Vice Consul, C. L. Bartlett, 16 Broad
 Italian Vice Consul, Gustavus M. Finnotti, 5 Broad
 Haytian Consul, B. C. Clark, 4 Central whf
 Hawaiian Consul, E. M. Brewer, 27 Kilby cor Exchange pl
 Greek Consul, J. M. Rodocanachi, 17 Central whf
 Netherlands Consul, G. Lootz, 6 Central whf
 Portuguese Consul, Joao Jacintho Rebello, 238 Commercial
 Russian Vice Consul, W. Brandt Storer, 58 & 60 India sq
 Swedish and Norwegian Vice Consul, G. Lootz, 6 Central whf
 Spanish Consul, Miguel Suarez, 22 Congress
 Turkish Consul General, Joseph Iasigi, 44 Broad
 Turkish Vice Consul, Oscar Iasigi, 44 Broad
 Uruguay Vice Consul, Charles Soule, 54 Kilby

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Cabooses and Galley Outfits.

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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.



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Oil Presses, and other Machinery.
Boilers, Tanks, and Boiler Repairs.

Particular attention paid to

SHIP HOISTING ENGINES.

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ABBOTT LORING & CO.,
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Plate and Bolt Iron, Spikes, Nails, Galvanized Iron Work for Ships
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As Agents for several large Rolling and Nail Mills in Pennsylvania, we can give low prices, and
ship direct from mills to any point in the country.

Keep in stock, at manufacturers' prices :

SHEET IRON, TANK IRON, BAND IRON, ANGLE AND T IRON, BRIDGE IRON, GALVANIZED IRON,
WROUGHT IRON BEAMS, CLINCH NAILS, BOAT NAILS, SHIP SPIKES, COPPER NAILS AND TACKS,
TINNED NAILS AND TACKS, RIVETS AND BURRS, BOLTS AND NUTS. IRON, all kinds.

BOSTON TOW-BOAT COMPANY.

Tugs.	Captains.
C. M. Winch,	H. McDonald.
L. A. Belknap,	Frank Riley.
Elsie,	George D. Frost.
Camilla,	L. S. Cates.
Emily,	A. L. Stubbs.
Carlisle,	E. W. E. Cates.
Vim,	D. W. Baker.
Argus,	George W. Taylor.
J. G. Neafie,	Jas. Mooney.
Despatch,	Jos. Hallett.
Wm. Sprague,	John Nugent.
Premont,	Oscar Healey.
Louis Osborn,	W. J. Flynn.



Vessels Towed

To and from all the Wharves in the City ; through Bridges ; to and from any of the Seaport Towns, and to New-York and the Vineyard. Vessels pumped out with a powerful steam pump. Casks filled with water for ballast, and vessels steamed and freed from vermin.

OFFICE, END OF T WHARF.

FRANK C. CATES, Asst. Manager.

THOS. I. WINSOR, Gen'l Manager.

GEORGE A. EATON, Soliciting Agent.

BOSTON TOW-BOAT COMPANY'S GRAIN ELEVATOR.

Capacity, Fourteen Thousand Bushels. Discharges a Full Load in Three Hours.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Brokers, Ship.—Continued.

Curtis & Davis, 152 Commercial.....	Portland, Me
Davis C. M. & Co.....	" "
Freeman E. 117 Commercial.....	" "
MERRILL CHARLES, 117 Commercial.....	" "
NICKERSON J. (see page 26) 128 Commercial.....	" "
Ricker Stephen, 131 Commercial.....	" "
Ross & Sturdivant, 179 Commercial.....	" "
RYAN & KELSEY (see page 26), 161 Commercial....	" "
Sampson Micah, 20 Commercial whf.....	" "
Sawyer Charles, 123 Commercial.....	" "
Starr George H.....	" "
WINSLOW J. S. & CO. (see page 26) 3 & 4 Central whf	" "
YEATON & BOYD (see page 52), 83 Commercial....	" "
York R. G.....	" "
Gregory H. jr.....	Rockland, "
Bixby Thomas E. & Co. 32 Central whf.....	Boston
Blanchard Alfred & Co. 7 Exchange pl.....	"
Bradley, Lambert & Co. 13 Doane.....	"
Bridge, Lord & Co. 173 State.....	"
CLARK GEORGE P. (see page 94) 104 State.....	"
Cook William & Co. 194 Commercial.....	"
Coombs J. R. 127 Commercial.....	"
Doane & Crowell, 105 Commercial.....	"
Emery John S. & Co. 154 State.....	"
Fitz Bros. & Co. 111 Commercial.....	"
Folger John B. & Co. 107 State.....	"
Frothingham N. F. 33 Central whf.....	"
Hall J. G. & Co. 64 Chatham.....	"
Hannum James W. & Co. 3 Commercial.....	"
Haskell Asa G. 51 India.....	"
Hunt Charles, 156 State.....	"
Hunter George W. & Co. 1 Commercial whf.....	"
Jones & Townsend, 17 Central whf.....	"
Kilham, Loud & Co. 21 Commercial.....	"
Linnell J. W. 127 Commercial.....	"
Lovell C. & Son, head Commercial whf.....	"
Marmand James L. 336 Atlantic ave.....	"
PERKINS & JOB (see page 94), 92 State.....	"
PICKERING M. F. & CO. 134 State.....	"
Preston George W. 23 Lewis whf.....	"
Reed Edgar L & Co. 86 State.....	"
Reed P. W. & Co. 73 Commercial.....	"
ROSE H. & CO. (see page 114) 3 India.....	"
Ryder George G. & George E. 6 Commercial.....	"
STURGES R. C. (see page 94) 173 State.....	"
Thayer & Lincoln, 114 State.....	"
Tyler B. F. & Co. 62 Commercial.....	"

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

DO NOT WARP OR CROOK. ALWAYS WORK EASY.

RYDER

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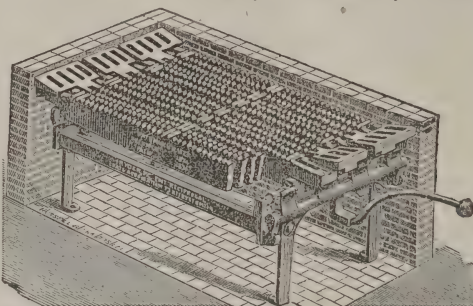
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FOR

STATIONARY,
MARINE,
AND
LOCOMOTIVE
BOILERS

OF ALL SIZES.



HOUSE

FURNACES,
ROUND,
OR
SQUARE,

Fitted with this

GRATE.

NO OPENING FIRE-DOORS TO CLEAN FIRES.

Having been severely tested, this grate is found to fully accomplish what we claim for it, namely, great durability, easy working of the bars, and a large saving in fuel and labor. Send for Circular.

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AMERICAN

Sole Manufacturers

Green & Alston's Patent
SEAMLESS DRAWN

BRASS TUBES.

WM. C. COTTON, Treas.,



TUBE WORKS,

in America of

ADAMS' PATENT
SEAMLESS DRAWN

COPPER TUBES.

97 STATE ST., BOSTON.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Brokers, Ship.—Continued.

Upton H. P. 1 Commercial whf.....	Boston
WALTER JOHN & CO. (see page 114) 168 State.....	"
Wilde George F. 126 State.....	"
Codd Thomas A.....	New-Bedford, Mass
Coffin William S.....	Newburyport, "
Cross Henry M.....	" "
Knight Edwin O.....	" "
Brown W. Whipple, 24 S. Water.....	Providence, R. I
Cordery & Horton, 215 S. Main.....	" "
Devereux J. A. 23 Custom House.....	" "
Knickerbocker W. P. & Co. 88 S. Water.....	" "
Abbot Abiel, 53 South.....	New-York
Agresta Angelo, 126 Pearl.....	"
Arkell, Tufts & Co. 15 S. William.....	"
Baker William W. 26 South.....	"
Ball Edward A. 36 South.....	"
Bertraux Charles W. 115 Broad.....	"
Besant Thomas, 7 Coenties slip.....	"
Blair G. C. & Son, 60 Broadway.....	"
Borott Theodore E. 27 Old slip.....	"
Boyd & Hincken, 3 William.....	"
Boynton John's Son, 32 Broadway.....	"
BROWN GEORGE W. (see front cover, also page 230) 41 South.....	"
Brown Vernon H. & Co. 131 Pearl and 84 Beaver.....	"
Cartwright Paul A. 87 West.....	"
COOK GEORGE E. & CO. 49 Wall.....	"
Cox & Green, 40 Broadway.....	"
Cullen Robert M. 114 Wall.....	"
Curtis & Todd, 115 Wall.....	"
Cusack Michael R. 114 Wall.....	"
DA COSTA A. M. 117 Wall.....	"
Dayton Albert & Co. 23 South.....	"
Dealey Joseph S. 7 Coenties slip.....	"
Dean James S. 56 South.....	"
Dearborn David B. 53 South.....	"
Demarest Charles E. 62 Beaver.....	"
DICKMAN G. FRANK & BRO. 115 Wall.....	"
Eagle & Blakslee, 60 Beaver.....	"
Elwell John P. 57 South.....	"
FERGUSON & WOOD (see page D front fly-leaves), 46 South.....	"
FISHER & CO. 8 Coenties slip.....	"
Funck, Edye & Co. 27 S. William.....	"
Gager Isaac B. 67 South.....	"
Georgiades Christodoulos D. 19 Cotton Exchange Bldg....	"
Gerhard Paul F. 46 Beaver.....	"

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, U. S.—Continued.

BALTIMORE: Expenses of a vessel of 300 tons:

Noting protest.....	\$ 2 50
Survey of hatches.....	5 00
Survey for repairs and valuation for general average.....	75 00
Adjusting general average.....	40 00
Copy of protest and survey.....	14 00
Ship-carpenter, per day.....	3 75
	<hr/>
	\$140 25

RICHMOND: Charges and dues on a vessel of 350 tons register, general cargo in and tobacco out:

Tonnage dues, 30 c. per ton.....	\$105 00
Entry at Custom House.....	8 90
Consul's fees.....	5 50
Pilotage in, 14½ feet.....	70 50
Towage in and out, from Hampton roads and back.....	180 00
Stevedore, discharging and loading.....	450 00
Pilotage out, 13 feet.....	65 00
Commission in and out.....	240 00
Clearance outward.....	8 90
Harbor dues.....	8 00
Surveyor's fees.....	10 00
Postage and petty expenses.....	12 00
	<hr/>
	\$1163 80

SAVANNAH: Expenses on a bark of 606 tons register, cargo in and out, drawing 13 feet in and 16¼ feet out:

Tonnage dues and stamps.....	\$192 50
Harbor dues.....	9 09
Pilotage in and out.....	148 09
Clearance account.....	35 80
Consul's fees.....	15 00
	<hr/>
	\$400 48

DARIEN: Dues and charges on a vessel of 747 tons register, ballast in and cargo out, drawing 10 feet in and 18 feet 9 inches out; cargo, 512,000 feet of timber:

Pilotage in.....	\$ 39 36
Moving from loading ground.....	9 00
Stevedore, \$2 per 1000 feet.....	1024 00
Mooring and unmooring.....	50 00
Harbor Master, 2 c. per ton.....	14 94
Customs, clearance, and stamps.....	15 00
Towage to sea (by agreement).....	175 00
Tonnage dues, 30 c. per ton.....	224 10
Pilotage out, 19 feet.....	137 06
	<hr/>
	\$1688 46

Brokers, Ship.—Continued.

Gurney Richard C. 62 Stone.....	New-York
Hand & Swan, 77 South.....	"
Hatch Charles L. 22 South.....	"
Hazard William H. jr. & Co. 62 Harrison.....	"
Heney James, 70 Beaver.....	"
Heney & Parker, 25 Coenties slip.....	"
Hoyer Charles, 49 Beaver.....	"
Ingalls William, 39 South.....	"
Ingraham John S. & Co. 23 South.....	"
Jacques Zachariah, 83 Wall.....	"
Janssen John A. 62 Beaver.....	"
Kendall George W. 174 Pearl.....	"
Kinne, Ross & Co. 28 Beaver.....	"
Lauro, Storey & Co. 4 S. William.....	"
Lindsay & Co. 174 Pearl.....	"
Loud Samuel C. & Co. 50 South.....	"
Low Charles H. 98 West.....	"
Maguire Andrew J. 92 Wall.....	"
Merchant S. L. & Co. 76 South.....	"
Merrill Theodore C. 32 South.....	"
Metcalf B. F. & Co. 107 Wall.....	"
MORRISON JOHN, 109 South.....	"
Moss Henry, 32 South.....	"
Mudgett Alvah, 39 South.....	"
Nevius Peter J. & Son, 11 South.....	"
Ogden David, 65 Wall.....	"
Overton & Hawkins, 163 Maiden lane.....	"
Peabody, Willis & Co. 122 Front.....	"
PERKINS & JOB (see page 198), 27 South.....	"
Phillips Edward, 6 S. William.....	"
Phillips J. B. & Sons, 56 South.....	"
Plymer George F. 56 South.....	"
RACKETT & BRO. (see page 252) 114 Wall.....	"
Richardson A. & Co. 23 South.....	"
RISLEY JOSEPH H. 39 South.....	"
Ruger Brothers & Co. 99 Pearl.....	"
Ruger Theodore, 49 Beaver.....	"
Schmidt Frederick C. 1 S. William.....	"
Schmidt Jacob W. & Co. 5 William.....	"
Seager John C. 17 S. William.....	"
Slaght James C. & Son, 12 Old slip.....	"
Slaght & Petty, 85 South.....	"
Slocovich & Co. 109 Pearl.....	"
Smith & Chase, 52 South.....	"
Sparrow George, 134 Water.....	"
Staples Isaac R. 66 South.....	"
Starbuck Arthur, 116 Wall.....	"

Baltimore Copper Paint is equal to any in Use.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Ag't, 31 South St., N. Y.**

BRIDGEWATER IRON CO.

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NAHUM STETSON, Agent and Treasurer,
 BRIDGEWATER, MASS.

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 SEAMLESS DRAWN BRASS AND COPPER TUBES,

FOR

Locomotive, Marine, & Stationary Boilers.

Hand Rails, Heater Tubes,

Condensers, Worms for Stills.

ALSO MANUFACTURERS OF AND DEALERS IN

COPPER & YELLOW METAL SHEATHING, and BOLTS,

Composition, Copper and Yellow Metal Nails,

COMPOSITION SPIKES AND SHIP'S FASTENINGS,

Weymouth Iron Co.'s Cut Nails and Spikes,

BRAZIERS' COPPER AND DIMENSION YELLOW METAL,

In stock and rolled to order.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
 ing. Manufactory, Bath, Me.

Rates of Pilotage for Boston Harbor.

FROM MAY 1ST TO NOV. 1ST.					FROM NOV. 1ST TO MAY 1ST.				
INWARD.					INWARD.				
Draught water, ft.	Rate per foot.	Amount.	Four per cent.	Amount with four per cent.	Draught water, ft.	Rate per foot.	Amount.	Four per cent.	Amount with four per cent.
10	\$2.40	\$24.00	\$0.96	\$24.96	10	\$2.77	\$27.70	\$1.11	\$27.81
11	2.45	26.95	1.08	28.03	11	2.80	30.80	1.23	32.03
12	2.50	30.00	1.20	31.20	12	2.85	34.20	1.37	35.57
13	2.55	33.15	1.33	34.48	13	2.95	38.35	1.54	39.89
14	2.60	36.40	1.46	37.86	14	3.00	42.00	1.68	43.68
15	2.65	39.75	1.59	41.34	15	3.05	45.75	1.83	47.58
16	2.70	43.20	1.73	44.93	16	3.12	49.92	2.00	51.92
17	2.75	46.75	1.87	48.62	17	3.19	54.23	2.17	56.40
18	2.80	50.40	2.02	52.42	18	3.25	58.50	2.34	60.84
19	2.85	54.15	2.17	56.32	19	3.27	62.13	2.49	64.62
20	2.90	58.00	2.32	60.32	20	3.30	66.00	2.64	68.64
21	2.95	61.95	2.48	64.43	21	3.80	79.80	3.19	82.99
22	3.00	66.00	2.64	68.64	22	4.20	92.40	3.70	96.10
23	3.50	80.50	3.22	83.72	23	4.50	103.50	4.14	107.64
24	4.00	96.00	3.84	99.84	24	5.00	120.00	4.80	124.80
25	4.50	112.50	4.50	117.00	25	5.50	125.00	5.00	130.00

OUTWARD.					OUTWARD.				
Draught water, ft.	Rate per foot.	Amount.	Four per cent.	Amount with four per cent.	Draught water, ft.	Rate per foot.	Amount.	Four per cent.	Amount with four per cent.
10	1.49	14.90	60	15.50	10	1.70	17.00	68	17.68
11	1.53	16.83	68	17.51	11	1.74	19.14	77	19.91
12	1.57	18.84	76	19.60	12	1.78	21.36	86	22.22
13	1.61	20.93	84	21.77	13	1.82	23.66	95	24.62
14	1.65	23.10	93	24.03	14	1.86	26.04	1.04	27.08
15	1.69	25.35	1.02	26.37	15	1.90	28.50	1.14	29.64
16	1.73	27.68	1.11	28.79	16	1.94	31.04	1.24	32.28
17	1.77	30.09	1.21	31.30	17	1.98	33.66	1.35	35.01
18	1.84	33.12	1.33	34.45	18	2.05	36.90	1.48	38.38
19	1.89	35.91	1.44	37.35	19	2.10	39.90	1.59	41.49
20	1.95	39.00	1.56	40.56	20	2.10	42.00	1.68	43.68
21	1.98	41.58	1.67	43.25	21	2.12	44.52	1.78	46.30
22	2.00	44.00	1.76	45.76	22	2.50	55.00	2.20	57.20
23	2.50	57.50	2.30	59.80	23	3.00	69.00	2.76	71.76
24	3.50	84.00	3.36	87.36	24	4.25	102.00	4.08	106.08
25	4.00	100.00	4.00	104.00	25	5.00	125.00	5.00	130.00

Boston Pilot Commissioners.

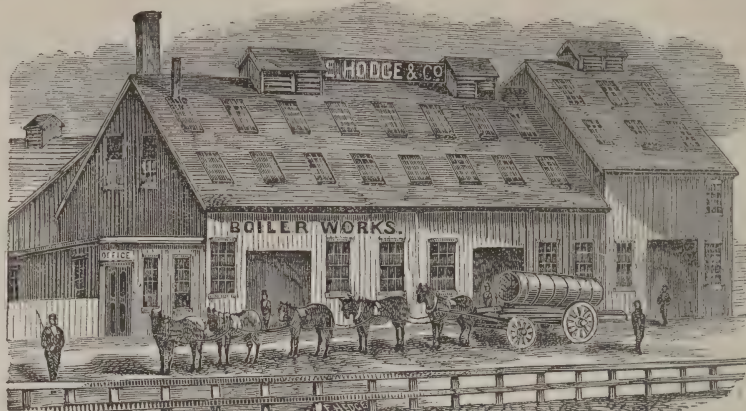
Jacob G. Pierce.....39 Lewis wf. | Nathaniel B. Spooner.....39 Lewis wf

Boston Pilots.

Abbot W. V....25 Lewis wf	Hooper A.....25 Lewis wf	McField J. A. G.25 Lewis wf
Bailey W. G....	Hunt Jerod....	McField J. A. jr.
Bruce J. Jr.....	Jeffrey J. H. ...	McField W. W.
Burrows S.....	Josselyn Asa H.	Phillips N. W..
Cooper T.....	Kelley Robert..	Reed Maxwell..
Cummings J. R.	Kendrick D ...	Reid James....
Fowler J. I.....	Lawler G. W....	Tewksbury H.A.
Fowler W. C....	Lampee W. R...	Tewksbury W.F.
Gurney H. L....	Low John.....	Tremere B. B..
Harrington W.H.	Martin E. G....	Wellock F. B..
Hayden Abel T.	Martin S. C....	Wilson J. H....
Hayden A. F....	McField E. S...	

New Bedford Cabooes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

Use the best, Tarr & Wonson's Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.



E. HODGE & CO.,

MANUFACTURERS OF

Marine and Stationary Boilers,
OIL AND SHIP TANKS,

Stillis, Sugar Pans, Gasometers, etc., and all kinds of Plate-Iron Work.

NEW AND SECOND-HAND BOILERS CONSTANTLY ON HAND.

Liverpool Street, near Central Square, EAST BOSTON.

LEWIS & MISENER,
SHIP SMITHS.

FORGING OF EVERY DESCRIPTION FOR SHIP CHANDLERS,

Also Machine Forging,

EDGE TOOLS, CALKERS', MASONS', and RIGGERS' TOOLS,

No. 96 Lewis Street, EAST BOSTON.

GEORGE MILES,
BOILER MAKER,

MANUFACTURER OF

High and Low Pressure Locomotive, Horizontal, Upright, Tubular Flue,
and Cylinder Steam Boilers.

All kinds of Sugar House, Oil Refining, and Plate-Iron Work done.

Old Boilers Bought and Sold, or taken in Exchange for New.

Repairing in all its branches specially attended to.

SHOP, FIRST STREET, COR. OF B, SOUTH BOSTON.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Brokers, Ship.—Continued.

Sutton George D. 123 Front.....	New-York
Sweetland Henry & Co. 45 Beaver.....	"
Tetens & Bockman, 6 S. William.....	"
Tobias C. & Co. 109½ Pearl.....	"
Twing Charles, 23 South.....	"
Vanbrunt & Bro. 75 South.....	"
Ward James E. & Co. 113 Wall.....	"
WENBERG BENJAMIN J. & CO. (see page 198) 31 Old slip.....	"
Williams & Brewster, 46 Beaver.....	"
Winchester J. H. & Co. 52 South.....	"
Witham Joseph C. 67 Wall.....	"
Wright Charles L. & Co. 56 South.....	"
Young Ammi V. 41 South.....	"
ZITTLOSEN JOHN (see page 210), 3 William.....	"
BROCKIE WILLIAM (see page 288), 101 Walnut.....	Philadelphia
COOPER DAVID (see page 292), 138 N. Delaware ave.....	"
CRAWLEY B. & CO. 107 Walnut.....	"
Gardeicke C. G. 136 Walnut.....	"
GREGG H. L. & CO. (see page 288) 108 Walnut.....	"
HAGAR W. F. & CO. 204 S. Front.....	"
LATHBURY, STEARLY & CO. 121 Walnut.....	"
LENNOX & BURGESS, 310 S. Delaware ave.....	"
LOUD, CONANT & CO. 134 S. Delaware ave.....	"
MERSHON CHAS. 106 S. Delaware ave.....	"
WARREN CHARLES A. (see page 288) 424 S. Delaware ave.....	"
WESTERGAARD L. & CO. (see page 288) 138 S. 2d.....	"
WICKERSHAM J. A. & CO. (see page 314) 106 N. whvs.....	"
ANDREWS & CO. (see page 332) 73 Smith's whf.....	Baltimore
APPLEGARTH WILLIAM & SON, 37 W. Pratt.....	"
BEERS & SEARS (see page 336), 44 W. Pratt.....	"
BIGELOW E. D. & CO. (see page 342) 66 S. Gay.....	"
Casey & Haxall, 97 Smith's whf.....	"
Chapman D. Chase, 83 Smith's whf.....	"
DE MEROLLA E. & CO. (see page 342) 33 S. Gay.....	"
Foard Joseph O. & Co. 6 S. Gay.....	"
FREEMAN F. L. & CO. (see page 336) 50½ W. Pratt.....	"
Gustavus P. 65 S. Gay.....	"
HARDING P. & CO. (see page 342) 50½ W. Pratt.....	"
HATCH, LOUD & CO. (see page 338) 50½ W. Pratt.....	"
HAYS R. C. (see page 338) 70 Smith's whf.....	"
Heslen Richard M. 65 S. Gay.....	"
Joyce & Johns, 85 Smith's whf.....	"
KELSEY H. & CO. (see page 356) Pratt cor Gay.....	"
Michael, Magness & Co. Pratt cor O'Donnell's whf.....	"
Mitchell Marcellus A. Pratt ne cor Frederick.....	"

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, U.S.—Continued.

SATILLA RIVER: A bark of 430 tons register, entering in ballast and leaving with cargo, drawing $14\frac{1}{2}$ feet, paid for towage from the Mills to Jekyl Island, about 16 miles, and below the Shoals, \$55; pilotage, in and out, \$122.

APALACHICOLA: Vessels of 13 feet draught can cross the bar at low water, and proceed as far as the lower anchorage, about six miles from the town, while those of 11 feet draught can reach the upper anchorage, about 3 miles off; at high water there are 14 feet 1 inch on the bar.

PENSACOLA: Rates of Pilotage:

Vessels drawing 6 to 10 feet, per foot.....	\$3 00
“ “ 10 to 14 “ “	4 00
“ “ 14 to 20 “ “	5 00
“ “ 20 and upwards “	6 00

Quarantine dues, 2 cents per ton.

Disbursements of a ship of 850 tons register, ballast in and cargo out:

Cash, discharging ballast.....	\$100 00
“ butcher's bill, and cash to captain.....	150 00
“ Harbor Master's fees.....	17 04
“ Custom House fees.....	\$12 00
“ Tonnage dues.....	263 26
	<hr/>
“ Stevedore's account.....	275 26
“ Blacksmith's bill.....	1400 00
“ Inward pilotage, 12 feet, at \$4.....	56 50
“ Outward “ 19 “ “ 5.....	48 00
	<hr/>
“ Inward towage.....	95 00
“ Outward “	143 00
	<hr/>
“ Hire of dogs and chains.....	40 00
“ Paid for water.....	100 00
“ “ Shipping Master.....	140 00
“ For ship stores.....	57 75
“ Druggist's bill.....	23 00
“ Postages.....	20 00
“ British consul's fees.....	250 00
“ Commissions, advancing and disbursing \$2656.40, at $2\frac{1}{2}$	15 00
per cent.....	3 00
“ Commissions on freight-lists.....	5 85
“ Internal revenue stamps on ex.....	\$2656.40, at $2\frac{1}{2}$
	<hr/>
	66 40
	<hr/>
	215 92
	<hr/>
	3 00
	<hr/>
	218 92
	<hr/>
	\$2941 72

Brokers, Ship.—Continued.

RHOADS W. & SON (see page 338), Smith's whf se cor Pratt.....	Baltimore
Robson Matthew, 87 2d.....	"
Rose & Lyon, 1 O'Donnell's whf.....	"
Sullivan James, Pratt ne cor Gay.....	"
TETENS, BÖCKMANN & CO. 65 S. Gay.....	"
Travers Samuel H. & Son, Spear's whf cor Pratt.....	"
VESPER O. M. & CO. (see page 336, also margin lines) 59 S. Gay.....	"
JOHNSTON & BRO. (see page 364) 76 Water.....	Norfolk
KEELING DAVID F. (see page 368) 80 Water.....	"
NEWMAN & CO. (see page 360) 8 Campbell's whf.....	"
CARD HENRY (see page 386), S. Atlantic whf.....	Charleston
Cohen & Wells, 131 E. Bay.....	"
CREIGHTON ALFRED J. (see page 386) 8 N. Atlantic whf.....	"
JENNINGS D. & SON (see page 388), Exchange cor Atlantic whf.....	"
MURE ROBERT & CO. (see page 386) Central whf.....	"
STREET BROS. & CO. (see page 388) 66 E. Bay.....	"
SWEEGAN E. F. & CO. (see page 386) 2 Central whf....	"
Bertody T. D. 126 Bay.....	Savannah
Bower & Gulne, 98 Bay.....	"
Nisbet & Marshall, 106 Bay.....	"
Rowland John C. 97 Bay.....	"
PERKINS & JOB (see page 198), 325 Commissioner... Montreal, Ca	
SCAMMELL BROS.....	St. John, N. B

*** Brush Manufacturers.**

DARE W. H. (see page 148) 163 South.....	New-York
WATERS HENRY, 27 & 29 Attorney.....	"

*** Buckets, Ship.**

JORDAN G. E. (see page 30) Cross bet Fore & Commercial. Portland	
WARREN DAVID JR. & CO. (see page 126) 323 Commer- cial.....	Boston

*** Builders' Felt.**

THOMPSON WM. H. (see page 76) 55 Congress.....	Boston
--	--------

Bunting.

FEARING, RODMAN & SWIFT (see inside back cover), 23 & 25 Commercial.....	Boston
WHITON, BRO. & CO. (see page 118) 31 & 33 Commercial, "	
BRINCKERHOFF, TURNER & CO. (see page 166) 109 Duane.....	New-York
McFADDEN S. & CO. (see page 210) 198 Hudson.....	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

LOWELL FELTING MILLS,

LOWELL, MASS.,

Manufacture, and have constantly on hand for sale in quantity, all kinds of

HAIR FELT,

The only established and thorough Protection of Steam Surfaces from Radiation.

10,000 Pounds of Coal saved per 100 feet of Steam Surface per annum.—[See report Inst. Technology, 132d meeting, May 18, 1851.]

Boiler and Pipe Felt.

Salamander “

Roofing “

Truss “

Insole “

Ship Sheathing Felt.

Builders' “ “

Carpet Lining “

Ayer's Packing “

Refrigerator “

Trade supplied on most liberal terms. Send for Pamphlet, Circular, Samples, Price-Lists, etc.

All orders should be addressed to

LOWELL FELTING MILLS

LOWELL, MASS.

WM. H. THOMPSON, Proprietor and Treasurer,

55 Congress Street, Boston.

ESTABLISHED 1793.



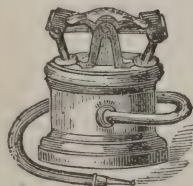
WM. BOND & SON, WATCHES

AND

CHRONOMETERS

17 CONGRESS STREET,

BOSTON, MASS.



HENRY N. STONE,

Constructor and Manufacturer of

PUMPS AND SHIP FITTINGS,

Edson's Power and Common Capstans,

Edson's Patent Boom Buffer,

Edson's Patent Tube Well Strainers,

132 Commercial Street, Boston.

Edson's Patent Ships' Main Pumps and Fountain Engines, with Brass or Copper Cylinders, and air and vacuum Chambers; Edson's House, Mine, Steamboat, and Factory Force and Lift Pumps; Edson's Patent Windlass Power Beam, Chain-Stoppers, and Chain Buffers; Common and Cargo Winches; Hose, Lead, and Iron Pipe; Couplings, Hose-Pipe, Robinson's Patent Steerers, Edson's Oscillating Steerers, etc.

Brass Foundry and Finishing Shop.

Repairing Done at short notice.

Machine and Blacksmith Shop.

Cash paid for Old Metals

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

*** Burners and Lamp Trimmings.**

BENEDICT & BURNHAM MFG. CO. (see back cover)
55 & 57 Oliver.....Boston
PLUME & ATWOOD MFG. CO. (see page 66), 13 Federal “

*** Butt and Bilge Bolts.**

TORREY MFG. CO. (see margin lines, also page 15)
Commercial.....Bath, Me

Cabooses, Ship.

NASH F. & C. B. (see page 38) 172 & 174 Fore.....Portland
NASH O. M. & D. W. (see page 38) 6 Exchange..... “
APPLETON J. & E. (see page 114) 382 Commercial.....Boston
CHASE F. D. (see page C front fly-leaves) 221 & 223 Com-
mercial and 4 Lewis's whf..... “
SARGENT, WILD & CO. (see page F back fly-leaves) 42 &
44 Clinton..... “
DUPARQUET L. F. & HUOT, 24 & 26 Wooster.....New-York
HALLETT G. G. (see page 144) 231 & 233 Water..... “
SHEPHERD CHARLES J. (see page 136) 242 Water.... “
Flick George L. 141 N. Front.....Philadelphia
Finnessy J. 400 N. Delaware ave..... “
FLINN & JACKSON, 219 Market.....Wilmington, Del
ATLANTIC CABOOSE (see side margin lines), 60 W.
Pratt.....Baltimore
SMULL D. C. (see margin lines) 60 W. Pratt..... “
Cherry D. S. & Son, Roanoke cor Water.....Norfolk
Crow George L. 110 & 112 Water..... “
Mapp R. A. & Co. 13 & 15 Market sq..... “
THOMPSON GEORGE J. & CO. (see page 380) 227 East
Bay.....Charleston

Canal Companies.

Chesapeake & Delaware Canal Co. 528 Walnut.....Philadelphia
Delaware Division, 303 Walnut..... “
Delaware & Raritan, 253 S. 4th..... “
Mill Creek & Mine Hill Navigation and R. R. Co. 407
Library..... “
Pennsylvania Canal Co. 233 S. 4th..... “
Schuylkill Navigation Co. 417 Walnut..... “
Susquehanna, 417 Walnut..... “
Union Canal Co. 228½ Walnut..... “
Maryland & Delaware Ship Canal Co. office 52 Lexington.. Baltimore
Susquehanna & Tide Water Canal Co. office 13 Lexington.. “
Albemarle & Chesapeake Co. office 5 Bank.....Norfolk
DISMAL SWAMP CO. 51½ Roanoke ave..... “

Canes.

BECK J. (see page 328) 147 W. Baltimore.....Baltimore

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

PEARL'S

Improved Pure Copper Paint,

UNSURPASSED FOR

Purity, Durability and Easy-Working Qualities.

"We, the undersigned, have used Pearl's Improved Copper Paint for the past three years, and believe it to be as good as any in the market."

Ship Painters { E. B. RICHARDS & CO.
of East-Boston, { GORHAM BROS.
JAMES LOVELAND.

MANUFACTURED BY

EDWARD PEARL, 51 Kilby St., Boston.

JAMES FOLSOM,
SHIP DRUGGIST AND APOTHECARY,

(ESTABLISHED 1841.)

No. 220 COMMERCIAL STREET,

Opp. head of Lewis' Wharf.

BOSTON.

MEDICINE CHESTS AND DISPENSARIES A SPECIALTY.

REFER TO:

Wm. F. Weld & Co.
Baker & Morrill.
J. Nickerson & Co.

Elijah Williams & Co.
J. S. Emery & Co.
Kilham, Loud & Co.

Isaac Taylor & Co.
Hinckley Bros. & Co.
A. B. Perry & Co.

Bakers & Humphrey.
J. Baker & Co.
Henry Hastings & Co.

ESTABLISHED 1847.

C. E. FOLSOM & CO.,

Manufacturers and Importers of

White Leads, Paints, Colors, Varnishes, Etc.

AGENTS FOR BROOKLYN WHITE LEAD CO.

NONPAREIL PAINT AND BRANDON PAINTS.

9 & 10 INDIA STREET, (opp. Custom House.)

Factory in Dorchester District, Ward 16.

BOSTON.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Wharves in Boston.

Abbott's, 370 Charles, ward 3
 Adams', from lower end Chelsea, ward 21
 Alger's, 4th cor Foundry, S. B.
 Allen's, Sumner, E. B.
 Arch, 204 Broad, ward 5
 Aspinwall's Mast Yard, 419 Commercial
 Atkins', 521 Commercial, ward 2
 Atlantic, 80 Border, E. B.
 Atlantic Steamship whf, Marginal
 Barlett's, 501 & 511 Commercial
 Batchelder's, from Mt Washington ave
 Battery, 379 Commercial, ward 2
 Benson's, 410 Federal, ward 7
 Blake's, P street, S. B.
 Boole's, at Jeffries Point, E. B.
 Boston, First, S. B.
 Boston Dye Wood and Chemical Co.'s, 322 Border, E. B.
 Boston Fire Brick Co. 388 Federal
 Bowker's, Border opp Central sq
 Brooks, ft C street, S. B.
 Brooks', from 285 Medford, ward 21
 Brown's (South) 256 Broad
 Brown & Lovell's, 63 Sumner, E. B.
 Bullard's, 278 Albany
 Bunker Hill, from Medford ft Monument, ward 21
 Burnham's, 9th cor Old Harbor
 Calef's, 418 Federal
 Carlton's, 119 Sumner, E. B.
 Caswell's, from 97 Water, ward 20.
 Central, from India ft Milk
 Chelsea Ferry, ft Hanover
 Clapp's, from 529 Commercial
 Clark & Leatherbee's, Lehigh opp Way
 Clark's, New nr Sumner, E. B.
 Clifton's, Border cor Maverick, E. B.
 Comey's, 469 Commercial
 Commercial, from 171 Commercial
 Conley's, 1st nr Dorchester, S. B.
 Constitution, 411 Commercial
 Cowdin's, Albany ft Troy
 Craft's, 26 Dorchester ave
 Crowley's, 104 Condor, E. B.
 Cunard, Marginal opp Orleans
 Curtis', from 250 Federal
 Curtis', Border nr White, E. B.
 Cushing's, Lehigh nr Federal
 Damon's, from 65 Water, ward 20
 Darton's, Border, ft Lexington
 Derby's, next w of Cragie's bridge
 Dillaway's, ft Sumner, E. B.
 Dolbear's, from 258 Broad
 Drake's, 240 Federal
 East-Boston, from Ferry to Webster whf
 East-Boston Dry-Dock, 96 Border
 East-Boston Ferry, Eastern ave
 Eastern Packet Pier, 129 Commercial
 Eastern R. R. Marginal opp Orleans
 Edmand's, from 41 Medford, ward 21
 Emery's, from 288 Federal
 European Wharves, Marginal, E. B.
 Fall's, Medford opp Everett, ward 21

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, U. S.—Continued.

NEW-ORLEANS: Disbursements and expenses of a vessel of 817 tons register (866 American tons), 33 days in harbor: (The British register tonnage is now accepted.)

Telegram to and from passes.....	\$4 10
Entrance fees and permits.....	11 35
Tonnage dues, 866 tons, at 30 cts.....	259 80
Harbor Master's entrance fees.....	5 00
Fire Insurance, harbor risk.....	25 87
Pilotage inward, 11½ feet, at \$4.50.....	51 75
Quarantine fees.....	20 00
Towage from sea to city, 866 tons, at \$1.25.....	1,082 50
Harbor Master's fees, 866 tons at 3 cts.....	25 98
Levee dues, 866 tons, at 20 cts.....	173 20
Advertising.....	* 12 00
Bills from ship Chandler, butcher, grocer, doctor, etc.....	380 13
Postage and permits.....	3 88
Stevedore, for loading cotton and staves.....	2,126 60
Consul's fees.....	13 75
Seamen's wages.....	49 10
Clearance fees.....	15 20
Towage from city to sea.....	220 00
Pilotage, 15½ feet, at \$4.50 (outward).....	69 75
Compressing 1949 bales cotton, freight $\frac{2}{3}$ d., at \$1, \$1949; compressing 703 bales cotton, freight $\frac{2}{3}$ d., at 90 cts, \$632.70.....	2,581 70
Commission for procuring freight, 5 per cent on £3051 16s. 11d., £152 11s. 10d., at 144½ ex.....	979 75
Cash to Captain.....	157 57
Shipping and advances to crew.....	143 50
Marine insurance on draft of £1401 1s. 9½d., at 111½ ex. = \$6943.17 gold, at 3 per cent = \$208.29, at 136 per cent.....	283 27
Commission for disbursing \$7816, at 2½ per cent.....	195 40
	<hr/> \$8,991 15

GALVESTON: Charges and dues on a vessel of 762 tons register:

Entry and stamps.....	\$7 50
Telegram to New-Orleans.....	2 70
" from " 	2 85
" to Havana.....	\$18 50 gold
Advertising.....	15 25
Pilotage to outer anchorage.....	52 00
Clearance and stamp.....	7 70
Hospital dues.....	6 00
Lighterage of 2489 bales cotton, at 45 cts.....	1,120 05
" " 10 water casks.....	10 00
" " 1 cord of wood.....	1 00
2200 gallons water, at 1 c.....	22 00
Stowing 2489 bales cotton, at 35 cts (this would have been 60 cts., but the crew assisted).....	871 15
Compressing 2489 bales cotton, at 70 cts.....	1,742 30
123 extra bands, at 12½ cts.....	15 37
Consul's fees.....	3 00
Commission on outward freight, 1,203,860 lbs., at 1c. per lb., = \$12,038.60, at 5 per cent.....	601 93
Cash advanced, etc.....	651 50
	<hr/> \$2,788 07
Exchange at 132.....	2,112 17
Gold.....	<hr/> \$4,474 90

* This charge is now \$30 for advertising a vessel whilst in port.

Canned Goods.

(Manufacturers.)

BARNES LESTER W. & SON (see page 220), 311 East Broadway.....New-York

* Capstans.

MOULTON GEORGE & SON (see page 18).....Bath, Me

TORREY MANUFACTURING CO....." "

COFFIN & WOODWARD (see page 54), 224 State.....Boston

FEARING, RODMAN & SWIFT (see inside back cover), 23

& 25 Commercial....."

Russell Albert & Sons, 103 Merrimac.....Newburyport, Mass

BUCKLEY & MERRITT (see page 138), 156 South....New-York

BURHANS & GEORGE (see page 252), 164 Maiden lane "

SNELLING J. & CO. (see page 144), 158 South....."

Carvers, Ship.

Seavy T. & Son.....Bangor, Me

Sampson Charles A. L.....Bath, "

Colby, Emery & Co.....Bucksport, "

Griffin Edward S. 47 Commercial.....Portland, "

Higgins & Bucknam, 58 Union....." "

Johnson Theodore, 13 $\frac{1}{2}$ Union....." "

Kirsch W. 307 Congress....." "

LITTLEFIELD NAHUM, Central whf....." "

Simmons W. E. 65 Federal....." "

Verrill J. E.....Rockland, "

Gerrish Woodbury.....Portsmouth, N. H.

Gleason Herbert, 21 Commercial.....Boston

Hastings E. W. 51 Commercial....."

Rumney W. H. 223 Commercial....."

Elwell Samuel jr.....Gloucester, Mass

Shaw S. H....." "

Purrlington Henry J.....Mattapoisett, Mass

Adams Hanson H.....Newburyport, Mass

Brown Andrew....." "

Willson J. W. & A....." "

Allen & Rose, Prospect nr Java.....Brooklyn, E.D

Brown Alfred E. 117 S. 2d....." "

Canniff James, 182 Greenpoint ave....." "

Harmer George W. Ainslie nr North....." "

Knudson Richard, 309 Navy.....Brooklyn

Luff George W. 182 Greenpoint ave.....Brooklyn, E.D

Mahon John jr. 119 Freeman.....Brooklyn

Ritz Albert, 82 Schermerhorn....."

Simon & Kiefer, 9 McKibbin.....Brooklyn, E.D

ANDERSON JOHN W. 226 South.....New-York

Baxter & McVoy, 102 Market....."

Brooks Thomas V. 240 South....."

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Boston Marine Insurance Company, 17 State Street.

CAPITAL, - - \$300,000. ASSETS, - - \$600,000.

This Company insures **MARINE RISKS ONLY**, and issues a policy which in its conditions is exceptionally favorable to the assured.

Certificates issued payable in **London** at Counting-house of Messrs. Brown, Shipley & Co.

HENRY WASHBURN, *Secretary.*

R. B. FULLER, *President.*

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GEO. H. STETSON, *Manager.*

FIRE and MARINE INSURANCE.

WILLIAM V. HUTCHINGS

AND

W. H. VINCENT,

25 State Street, Boston.

HERRIMAN & WHITNEY, INSURANCE BROKERS,

OFFICES:

40 Congress Street and 1 Exchange Place,

H. HERRIMAN.

BOSTON.

E. WHITNEY.

STONE & DOWNER, CUSTOM HOUSE BROKERS.

Also Dealers in Specie, Government Bonds and Stocks, Exchange on the Provinces and San Francisco, and General Commission and Forwarding Agents,

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AND CENTRE DESK, ROTUNDA CUSTOM-HOUSE.

Particular attention paid to Entering Goods arriving at New-York, Philadelphia, and Boston.

POWER OF ATTORNEY TO BE MADE IN FAVOR OF

J. L. STONE. CUTLER DOWNER. W. MUNROE.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Boston Wharves.—Continued.

Farwell, 444 Federal nr S. B. bridge
 Ferry, ft Lewis, E. B.
 Fiske's, 463 Commercial
 Fletcher's, 228 Causeway
 Fort Hill, 224 Broad
 Foster's, 152 & 170 Broad
 Francis, 256 Federal
 Gage's, from 85 Water, ward 20
 Gas Co.'s, from 563 Commercial
 Gilman's, from 49 Medford, ward 21
 Glendon, Eagle ft Trenton
 Goodnow's, 294 Causeway
 Googin's, Eagle nr Gas Works, E. B.
 Grand Junction, Marginal, E. B.
 Gray's, 489 Commercial
 Greenleaf's, from 523 Main, ward 22
 Gutterson's, Lehigh cor Albany
 Hall's, Border nr Central sq
 Ham & Piper's, 242 Albany
 Hamblen's, from Medford ft Baldwin, ward 22
 Harris', 449 Commercial
 Harris', 180 Broad
 Hayward's, from Shaving to 304 Federal
 Hittinger's, from 49 Water, ward 20
 Hobbs', 290 Federal
 Holbrook & Dillon's, 234 Broad
 Holmes', from 119 Medford, ward 21
 Hopkins', from 143 Medford, ward 21
 Hoppin's, Charles nr Cambridge
 Hospital, from 276 or 304 Charles
 Howes, 342 Federal
 Howe's, 5 Sumner, E. B.
 India, from 120 Broad and 51 India
 Ingersoll's, 553 Commercial
 Jail Wharf, from 200 to 246 Charles
 Jones', 180 Border cor Central sq. E. B.
 Kelly's, Marginal nr Jeffries, E. B.
 Kelly's Marine Railway, Sumner
 K, nr People's Ferry, E. B.
 Keyes', from Medford opp Tufts, ward 21
 Ladd's Dock, 11 Sumner, E. B.
 Lawrence's, 555 Commercial
 Lewis, 221 Commercial
 Lincoln's, 365 Commercial
 Litchfield's, 234 Broad
 Liverpool, 280 Broad opp Pearl
 Locke's, from Medford opp Cook, ward 22
 Lockwood's, from Charles River ave nr C. R. Bridge, ward 20
 Lombard, from Webster nr Lewis, E. B.
 Long, from ft State
 Loring's, 159 Sumner, E. B.
 Lovejoy's, 182 Causeway
 Main, 366 Broad
 Martin's, 392 Federal
 Mason's, from Commercial, ward 16
 Matthews, from 481 to 489 Commercial
 Maverick, from Sumner nr People's Ferry, E. B.
 Mayo's, from New cor Sumner
 McKay's, Border nr Eagle, E. B.
 Merrill & Edmund's, 376 Federal
 Monk's, from 1st, S. B.

Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, U. S.—Continued.

SAN FRANCISCO : Expenses on a vessel of 1188 tons register, drawing 20 feet 3 inches, loaded, with cargo in :

Stamp on manifest, \$5 ; harbor dues, \$47.52.....	\$ 52 52
Quarantine officer, \$5 ; reporting ship, \$5.....	10 00
Inward pilotage, \$187.52 ; ship-clerk, \$40.....	227 52
Customs officers.....	21 65
Wharfage and discharging cargo (inward).....	873 23
Lumber for lining ship.....	416 00
Matting for outward cargo, 7 cents per mat.....	60 75
Water, \$45.20 ; boat hire, at \$5 per day, \$90.....	135 20
Outward pilotage, including steam-tug.....	189 52
Advertising.....	15 00
Stevedore, loading and stowing 1436 tons wheat.....	718 00
Consul's fees, \$20.75 ; clearance, \$9.90.....	30 65
Survey, \$20 ; wharfage loading, \$85.....	105 00
Commission on charter, outward, 5 per cent.....	987 25
Stamps on charterparty.....	7 75
Brokerage on ship's business.....	150 00
Commission on disbursements, 2½ per cent.....	130 94
Tonnage dues and surveyor's fees.....	269 90

Boston Inspectors.

Hatch Edward, 1 Commercial whf.....	Boston
Faulkner George C. 1 Commercial whf.....	"
Kenney John, 1 Commercial whf.....	"
Tewksbury A. R. 1 Commercial whf.....	"
Burnham Andrew, 194 Commercial.....	"
Savage A. J. 194 Commercial.....	"
Candage R. G. F. 17 Merchants' Exchange.....	"
Davis Ebenezer, 17 Merchants' Exchange.....	"

Boston Harbor Master.

Gardner John T. Eastern ave whf.....	Boston
--------------------------------------	--------

Boston Port Wardens.

Peleg Howes.	Elias D. Knight.
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List of Offices and Banks Designated as U. S. Depositories.

NAVY DEPARTMENT, WASHINGTON, Feb. 1, 1875.

The attention of disbursing officers of the navy is called to the following list of offices and banks which have been specially designated under the act of June 14, 1866, for the reception, safe keeping, and disbursement of the funds intrusted to them on public account.

A strict compliance with the provisions of the act referred to will hereafter be required from the Pay Officers of this Department.

GEO. M. ROBESON, Secretary of the Navy.

- Arizona, Tuscon, United States Depository.
- California, San Francisco, United States Assistant Treasurer.
- District of Columbia, Washington, Treasurer United States.
- Illinois, Chicago, United States Assistant Treasurer.
- Louisiana, New-Orleans, United States Assistant Treasurer.
- Maryland, Baltimore, United States Assistant Treasurer ; Annapolis, Farmers' National Bank.
- Missouri, St. Louis, United States Assistant Treasurer.
- Massachusetts, Boston, United States Assistant Treasurer.
- New-Hampshire, Portsmouth, First National Bank.
- New-Mexico, Santa Fe, United States Designated Depository.
- New-York, New-York, United States Assistant Treasurer ; Buffalo, United States Designated Depository.
- Ohio, Cincinnati, United States Assistant Treasurer.
- Pennsylvania, Philadelphia, U. S. Assistant Treasurer ; Pittsburg, U. S. Designated Depository ; Erie, First National Bank ; Erie, Keystone National Bank.
- South-Carolina, Charleston, United States Assistant Treasurer.
- Virginia, Norfolk, Exchange National Bank.

Carvers, Ship.—Continued.

Collins & Brown, 222 South.....	New-York
Eureka Steam Machine Carving Co. 60 to 66 Cannon.....	"
Lindmark Winter. 241 South.....	"
Connor William M., S. 2d cor Dock.....	Philadelphia
Green George W. N. 122 Thompson.....	"
Hetzell George J. 155 Dock.....	"
Jones Samuel, 225 S. Second.....	"
Lillagore Theodore W. 128 S. 2d.....	"
Sailor Samuel, 128 S. 2d.....	"
CULLANAN RICHARD, 19 Philpot.....	Baltimore
Mooney M. E. 4 Covington.....	"

*** Cat-Heads.**

BROWN WILLIAM (see page 162), 541 W. 35th.....	New-York
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Caulkers.

Crosby T. & Sons.....	Bangor, Me
Dyer D. W. & Son.....	Belfast, "
Dyer George W.....	" "
McDougal William.....	Boothbay, "
Whitehouse G. W.....	Hodgdon's Mills, "
Whitehouse R. C.....	" "
Tapley Joel.....	Bucksport, "
Snowman S. & Co.....	" "
Snowman & Hutchins.....	" "
Hinds William.....	Calais, "
Harvard William.....	Ferry Village, Cape Elizabeth, "
Silvadar Joseph.....	" " "
Sweet Hiram.....	" " "
Cates Alfred.....	Cutler, "
Vaughan David.....	" "
Hallett Alonzo.....	Eastport, "
Sears, Phineas.....	" "
Rinaldo Andrew.....	Eden, "
Rinaldo George.....	" "
Rinaldo Edward.....	" "
Cook J. & J. H.....	Ellsworth, "
Jellison Benjamin.....	Kennebunk, "
Robinson Samuel.....	" "
Tripp Charles.....	Kennebunkport, "
Bridges George.....	Penobscot, "
Snowman John B.....	" "
Snowman Leander A.....	" "
Burns Albert, 121 Commercial.....	Portland, "
Burns, Chandler & Co. 121 Commercial.....	" "
Harford Ezra T. 180 Congress.....	" "
Harford W. H.....	Cape Elizabeth Ferry, "

Baltimore Copper Paint is equal to any in use.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

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Shipping and Importing

COMMISSION MERCHANTS,

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Regular Line of Packets to Melbourne, Australia.

Special attention given to filling of Foreign indents, and to sale of consigned merchandise.

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Shipping and Commission Merchants,

CALIFORNIA PACKET OFFICE,

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AND

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San Francisco, Cal.

EDWARD BABSON, Jr.
Boston, Mass.

W. H. BOWDLEAR & CO.,

AMERICAN

Commission Merchants,

64 SOUTH CASTLE STREET, Liverpool, England.

List of charges small and reasonable.

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118 MILK STREET, BOSTON.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Boston Wharves.—Continued.

Monument, from Medford opp Lexington, ward 21
 Morse & Jordan's, Albany ft Malden
 Munn's, 438 Federal
 Mystic, from 83 Medford, ward 21
 Nickerson's A. from Border nr Lexington
 Nickerson's, from New nr Sumner
 Odiorne's, opp 80 Sumner, E. B.
 Old Colony, 37 Foundry, S. R.
 Old Harbor, ft Old Harbor
 Otis's, from 198 Broad
 Packard's, 216 Broad
 Parkman's, from 276 Charles
 Pearl-street Wharf, 286 Broad opp Pearl
 People's Ferry Wharf, 55 Sumner, E. B.
 Perry's, 90 Lehigh
 Philadelphia Packet Pier, 117 Commercial
 Pierce's, 6th nr P, S. B.
 Pioneer Dry Dock, next Otis's whf
 Piper's, 228 Federal
 Pope's, 280 Albany ft Troy
 Pope's, 282 Harrison ave
 Prentice's, 324 Broad
 Prison Point Wharf, at Prison Point bridge, ward 20
 Raymond's 150 Leverett to Livingston
 Rich's, 449 Commercial
 Ripley's, 475 Commercial
 Roby's, 280 Causeway
 Rowe's, 144 Broad
 Russia, 306 & 312 Broad
 Sargent's, 293 Commercial
 Shackford & Co.'s, Border ft Lexington
 Simpson's Dock, from Marginal nr Jeffries
 Slate, from 529 Commercial
 Snelling's, Albany ft E. Canton
 Snelling's Dock, from New nr Sumner
 Snow's wharves, from Mt Washington ave
 South Bay, 862 Harrison ave
 Spear's, 254 Broad
 Stetson's, ft I, cor 1st, S. B.
 Stone's A. from Medford opp Lexington, ward 21
 Stone's, from Medford opp Everett and Polk, ward 21
 Sturtevant's, Border ft Eutaw
 Summer street wharf, ft Summer
 T, opens from 46 Long whf
 Taylor's, 326 to 340 Charles
 Thompson's, 527 Commercial
 Thurston's, from Foundry, S. B.
 Tileston's, 350 Broad
 Tilton & Cowdin's, Albany, 4th s Dover
 Tirrell's, 304 Federal
 Tucker's, from Medford opp Belmont, ward 22
 Tudor's, from 31 Water and Charles River bridge, ward 20
 Tuft's, foot of Webster, E. B.
 Tuft's, from Medford ft Moulton, ward 21
 Tuft's, from 541 & 553 Main, ward 22
 Union, 323 Commercial
 Vinal's, Commercial opp Charter
 Vinal's, 354 Charles
 Wales's, 272 Federal
 Ward's, 6th nr P, City Point

Concluded on page 129.

New-Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Port Charges, Mexico.

MATAMORAS: Charges on a vessel of 124 tons register, general cargo in and ballast out:

Tonnage dues.....	\$124 00
Customs papers.....	40 00
Protest fees.....	14 45
Captain of the Port.....	11 50
Ballast, 20 tons.....	100 00
Labor.....	10 00
Passage to and from town.....	18 00
Petty expenses.....	10 00

\$327 95

TAMPICO: Pilotage is charged to all vessels, whether they remain in the roads or enter the river, at the rate of:

Inward, per foot.....	\$2 50
Outward, " ".....	2 50

Or \$5 per foot in all; to which is to be added:

Pilot boat of 6 oars.....	6 00
" " " 8 ".....	8 00
Harbor Master, fees.....	3 50

VERA CRUZ: Expenses of a vessel of 215 tons register, with a cargo of coals inward:

Pilotage in and out.....	50 00
Permission to discharge.....	8 00
Tonnage dues on 324 tons, at \$1.....	324 00
Light and anchorage dues.....	40 50
Bill of health, \$4; stamp, \$1.....	5 00
Harbor Master, \$20; Consul, \$4; ballast (2 boat-loads), \$40.....	64 00

\$491 50

ALVARADO: Dues and charges on a vessel of 167 tons register, from Vera Cruz in ballast, calling at Alvarado, and proceeding to Tlacotalpan to load a cargo of mahogany and fustic:

Pilotage from Vera Cruz to Alvarado.....	\$25 00
" at Alvarado bar.....	26 00
" to Tlacotalpan.....	8 00
Anchorage at ".....	3 75
Use of winch to load cargo.....	16 00
Stevedore's bill.....	150 00
Butcher's ".....	15 80
Pilotage from Tlacotalpan.....	12 00
Anchorage at Alvarado.....	1 25
Stamp for customs dispatch.....	8 50
Butcher's bill at Alvarado.....	10 20
Pilotage out, and Captain of Port's fee.....	39 50
Petty expenses.....	5 00
Assistance boat over the bar.....	20 00

\$341 00

MINATITLAN:

Wharfage.....	\$8 00
Pilotage up the river.....	10 00
" down ".....	10 00
Sea pilotage, per foot.....	1 06
Bill of health.....	4 00
Light dues.....	25 00

Stevedore, 80 cts. per ton measurement.

Tonnage dues are paid by the cargo. All these charges have to be paid to the Harbor Master before crossing the bar.

Caulkers.—Continued.

LEIGHTON A. K. P. & CO. (see p. 50)	200 Commercial.	Portland, Me
Waite A. M.	East-Deering,	" "
Waite E. E.	"	" "
Waite Reuben, 5 Force	"	" "
WINSLOW & DYER (see page 50),	338 Commercial...	" "
Bailey Benjamin M.	Portsmouth,	"
Harlow William	Richmond,	"
Hoffses Frastus	Warren,	"
Hoffses Oscar	"	"
GREEN W. F. & SON (see page 102),	282 Border...	East-Boston
LEIGHTON EMERY D. (see page 110)	109 Sumner....	"
SARGENT & SLEEPER, 15 Sumner	"	"
Bealkey A.	Fall River,	Mass
Terry J. C.	"	"
Annis E. G.	East-Gloucester,	"
Davis Brothers	Gloucester,	"
Gaffney Michael & Co.	"	"
Drew James	New-Bedford,	"
Eldredge Reuben S.	"	"
Gage Benjamin	"	"
Weeks Reuben	"	"
Delanor Otis	Newburyport,	"
Flanders Enoch	"	"
Nason D.	"	"
Atkins Isaiah	Provincetown,	"
Mott Stephen & Son	"	"
Swain J. A.	Vineyard Haven,	Tisbury, "
Cook Edwin P.	Wellfleet,	"
Mott James L.	"	"
ROSEVELT & GRIFFITHS, 257 South	New-York	
CHESAPEAKE MARINE RAILWAY AND DRY-DOCK CO.		
(see page 324) ft Philpot	Baltimore	
ELLIS JOSEPH A. (see page 370) Water	Norfolk	
GRAVES WILLIAM A. (see page 378) 211 to 219 Water...	"	
Willink H. F. ft Drayton	Savannah	

Caulkers' Tools.

BRADFORD JOSEPH (see page 30), 200 Fore	Portland
LEWIS & MISENER (see advt.), 96 Lewis	East-Boston
MORSS ANTHONY S. (see page 132) 210 Commercial	Boston

Chain Stoppers.

Emery & Cheney Chain Stopper Co.	Rockland, Me
Rockland Brass and Iron Foundry	" "
COFFIN & WOODWARD (see page 54), 224 State	Boston
BURHANS & GEORGE (see page 252), 164 Maiden lane.	New-York
WHITECAR JOSEPH (see page 260), 402 & 406 Penn	Phila

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

PERKINS & JOB,
Ship Brokers and Commission Merchants,

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Boston: 92 STATE STREET.

Montreal: 325 COMMISSIONER ST.

R. C. STURGES,
Ship Broker *and* Commission Merchant,

Freights procured for Foreign and Coastwise Ports,

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BOSTON.

GEO. P. CLARK,
Ship Broker and Commission Merchant,

Eastern, Western and Southern Lumber by the Cargo.

LUMBER, etc., RECEIVED ON CONSIGNMENT,

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JOHN W. HOWLAND,
SHIP BUILDER,

YARD AND OFFICE AT THE

MARINE RAILWAY, CITY WHARF,

NEW-BEDFORD, Mass.

MODELS, DRAWINGS AND CALCULATIONS

Of all descriptions of Vessels made at the shortest notice.

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Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Chain and Cable.

(Manufacturers and Dealers.)

Alden H. E. & W. G.....	Camden, Me
Dodge Gilbert & Co. 45 Oliver.....	Boston
FEARING, RODMAN & SWIFT (see inside back cover), 23	
& 25 Commercial.....	"
Fuller, Dana & Fitz, 110 North.....	"
Hill Bros. F cor W. Third.....	"
POWER JAMES & CO. (see page 368) 52 W. 1st.....	"
WHITON, BRO. & CO. (see page 118) 31 & 33 Commercial..	"
Coley Thomas, r 305 Medford.....	Charlestown, Mass
NEW-ENGLAND CHAIN WORKS, 771 Eddy... Providence, R. I	
WYATT THOMAS, 771 Eddy.....	" "
BARSTOW E. W. & SON (see page 148), 83 Maiden lane, New-York	
COFFIN PAUL C. & CO. (see page 142) 197 West.....	"
DE GRAUW, AYMAR & CO. (see page 226) 42 South	"
HALL ISAAC, 124 Broad.....	"
BRADLEE & CO. 706 Richmond.....	Philadelphia
WHITECAR JOSEPH (see page 260), 402 & 406 Penn..	"
WILLIAMS RICHARD B. (see page 256) 46 & 48 N.	
Delaware ave.....	"
BAILEY E. & CO. (see page 356) 107 Thames.....	Baltimore
POWER JAMES & CO. (see page 368) 26 Rowland's whf... Norfolk	

Chair Manufacturers.

STUART J. M. 376 Pearl.....	New-York
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* Chandlery Hardware.

LAUGHLIN THOMAS & SON (see page 22), 16 & 18	
Centre.....	Portland
FEARING, RODMAN & SWIFT (see inside back cover), 23 & 25	
Commercial.....	Boston
MORSS ANTHONY S. (see page 132) 210 Commercial....	"
COFFIN PAUL C. & Co. (see page 142) 197 West.....	New-York

Chandlers, Ship.

(See also Ship Stores.)

Bowen & Braley.....	Bangor, Me
Fisher George.....	Bath, "
Swanton, Jameson & Co.....	" "
Frederick J. W. & Co.....	Belfast, "
Boardman Bros.....	Calais, "
Perkins James.....	" "
Rideout & Lord.....	" "
Knowlton D. & Co.....	Camden, "
Stetson J. F.....	" "
Grant Isaac M.....	Eastport, "

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.



Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

YELLOW PINE SHIP TIMBER

From the Best Manufacturers in the South.

ORDERS SOLICITED.

MOSELEY, WHEELWRIGHT & CO.,
44 Kilby Street, Boston.

 All kinds of Domestic and Foreign Bills Furnished. 

LEWIS & HALL,
Commission Merchants,

AND DEALERS IN

Southern Pine Lumber and Timber,

BY THE CARGO.

OFFICE, No. 9 MERCHANTS' ROW, near State Street,
BOSTON.

CHAS. W. LEWIS,
WILLIAM F. HALL.

Southern Hard Pine Timber.

PLANK AND BOARDS, with the largest and best assortment to be found in New-England.

Steam Saw Mill, for Sawing and Planing Timber, and for Dressing Boards.

Schedules furnished to order from the South, or from our wharf and dock, corner of First and E Streets, South-Boston.

Office, No. 10 State Street.

Office Hours, 11 to 2.

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SOUTHERN PINE LUMBER,

For Ship, Factory and West-India Orders.

By Cargo, at the Mill, or Delivered, at Lowest Market Price,

J. G. DREW

(Successor to E. C. DREW),

7 Exchange Place, Boston, Mass.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Chandlers, Ship.—Continued.

Peabody & Cummings.....	Eastport, Me
Wadsworth S. L.....	" "
Lyman, Son & Tobey.....	Portland, "
RYAN & KELSEY (see page 26).....	" "
SARGENT, LORD & CO. 19 & 20 Commercial whf..	" "
STEPHENSON A. B. (see page 34) Commercial bet	
Long & Central whfs.....	" "
WINSLOW J. S. & CO. (see page 26) 4 Central whf..	" "
YEATON & BOYD (see page 52) 83 Commercial.....	" "
Ames & Rankin.....	Rockland, "

Boston Wharfingers.

Boston Wharf Co. I. D. Farnsworth, treas, 40 State.	
Brooks H. C. 67 Commercial whf.	
Brown Gardner C. 32 India whf.	
Colburn Francis, Union whf.	
Crocker J. W. Battery whf.	
Crowell J. D. Mercantile whf.	
Curtis Henry, 11 T whf.	
Davison E. E. 39 Lewis whf.	
Fitz Francis, Gray's whf.	
Frost E. R. 1 Russia whf.	
Haseltine W. B. Foster's whf.	
Holmes H. T. Corney's whf.	
Kidder W. M. Grand Junc. whf.	
Lincoln Noah, Lincoln whf.	
Loring Bailey, 62 Long whf.	
Marcy Willard, Boston whf.	
McCauley John, Cunard whf.	
McKie James C. 7 Rowe's whf.	
Myrick C. H. foot of T whf.	
Nichols J. C. Fiske's whf.	
Nichols William H. Bartlett's whf.	
Peacock J. H., E. R. R. whf.	
Prouty G. 29 India, Damon's whf.	
Richardson W. E. 50 Central whf.	
Seaman & Co. Pearl st whf.	
Smith Joseph, National Dock and Warehouse Co.	
Wade W. F. Jr. Wales whf.	
Wilbur A. & Co. Slate whf.	
Wilder James S. Constitution whf.	
Caldwell George A. Jr. Hittinger's whf.....	Charlestown, Mass.
Hadley Walter M. Tuft's whf.....	" "
Knight Joel & Co. 141 to 149 Medford.....	" "
Knight Samuel, 99 Water.....	" "
Sanborn John, Tudor's whf.....	" "

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St. N. Y.

Port Charges, Mexico.—Continued.

TONALA : Expenses of a vessel of 124 tons register, ballast in and 133 tons mahogany out :

Courier to Tobasco.....	\$20 00
Dispatches.....	24 50
Captain of the port.....	31 00
Pilot in and out.....	40 00
Stevedore's bill.....	182 50
Pilot, up and down the river.....	24 00
For use of saws, slings, and bars.....	7 50
Four men assisting over bar.....	20 00
Petty expenses.....	10 00
	<hr/>
	\$359 50

SANTA ANNA : Expenses of a vessel of 630 tons register, entering in ballast, and leaving with a cargo of 710 logs of mahogany (about 730 tons dead weight); lying off the bar two months :

Clearance.....	\$27 75
Pilotage, in and out*.....	61 50
Bringing cargo alongside, and stowing (about \$2 per ton).....	1400 00
	<hr/>
	\$1489 25

TUPILCO : Expenses of a vessel of 262 tons register :

Stowing and rafting 259 tons, at \$2.50.....	\$647 50
Picking up logs.....	120 00
Paid for two logs lost.....	50 00
Hire of dogs and crowbars.....	39 00
Messenger to Tobasco with ship's papers for entering.....	35 00
Anchorage dues, at 25 cents.....	65 50
Entering and clearing.....	16 00
Commission on disbursements (5 per cent).....	58 16
	<hr/>
	\$1031 16

MAZATLAN : Expenses on a vessel of 250 tons :

Tonnage dues.....	\$250 00
Pilotage in, 17 feet, at \$1.75.....	29 75
Pilotage out, 12 feet, at \$1.75.....	21 00
Pilot boat.....	4 00
Bill of health.....	4 00
Stamped paper for permit to discharge.....	8 00
“ “ for clearance.....	50
Captain of Port's fees.....	3 50
Clearing at Custom House.....	25 00
	<hr/>
	\$345 75

PLAYA COLORADO : Charges and dues on a vessel of 839 tons register, from Mazatlan (where she had to proceed for orders) in ballast :

Customs charges and pilotage, in and out.....	{6} 00
Consul's charges (U. S. Consul).....	8 60
Boatman.....	8 00
Pilotage from Mazatlan to Playa Colorado.....	60 00
Anchorage dues.....	50 75
Copy of muster roll.....	3 50
Bill of health.....	4 00
Custom House charges.....	16 50
Consignees for clearing.....	16 00
Water (lump sum).....	60 00
	<hr/>
	\$296 35

*Although no pilot was employed.

Chandlers, Ship.—Continued.

Cobb, Wright & Norton.....	Rockland, Me
Crie H. H. & Co.....	" "
White & Case.....	" "
Merriam A. & Sons.....	Rockport, "
Burgess, O'Brien & Co.....	Thomaston, "
Cushing J. O. & Co.....	" "
Lennox William P.....	Wiscasset, "
Rider & Cotton.....	Portsmouth, N. H
Vaughan George T.....	" "
Foster George B.....	Beverly, Mass
Pickett John.....	" "
Allison & Mason, 1 Russia whf.....	Boston
Baker J. & Co. 79 Commercial.....	"
Baker & Humphrey, 99 Commercial.....	"
Bartlett Henry & Co. 240 Commercial.....	"
Bickford W. D. 336 Atlantic ave.....	"
Billings George, 186 Commercial.....	"
Carver R. & J. E. 181 Charlestown.....	"
CURTIS FRANKLIN, 51 India.....	"
FEARING, RODMAN & SWIFT (see inside back cover), 23 & 25 Commercial.....	"
FREEMAN JOHN & CO. 232 Commercial.....	"
Gammans & Co. 103 Commercial.....	"
Gilmore, Kingsbury & Co. 142 Commercial.....	"
Hinckley Bros. & Co. 71 Commercial.....	"
Jones & Townsend, 17 Central whf.....	"
Lambert & Hitchcock, 174 Commercial.....	"
Mayo T. L. & Co. 113 Commercial.....	"
Nickerson Joseph & CO. 95 & 97 Commercial.....	"
Norcross J. W. 128 Border.....	"
Peterson & Witherspoon, 80 Commercial.....	"
Providence Tool Co. 44 Broad.....	"
Rich John & Co. 136 Commercial.....	"
Richardson & Folger, 241 Atlantic ave.....	"
Shattuck M. C. Atlantic ave cor Long whf.....	"
Snow E. & Son, 30 New.....	East-Boston
WHITON, BRO. & CO. (see page 118) 31 & 33 Commercial..	Boston
Wiggin & Robinson, 391 Commercial.....	"
Norris Howes.....	Vineyard Haven, Edgartown, Mass
Corliss Benjamin H.....	Gloucester, "
Elwell Samuel Jr.....	" "
Fears Robert R. & Bros.....	" "
Merchant S. Jr.....	" "
Parsons William & Co.....	East-Gloucester, "
Kirby Humphrey S.....	New-Bedford, "
Swift & Allen.....	" "
Watkins William.....	" "

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Cabooses and Galley Outfits.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

HENRY JONES & CO.,

(Established July 5, 1845.)

COMMISSION LUMBER MERCHANTS,

And Dealers in

Ship, Bridge, and Car Stock,

No. 180 BORDER STREET, EAST-BOSTON.

Orders taken for Southern Pine Plank and Oak Timber, by the cargo, or in smaller lots to suit purchasers.

Constantly on hand, Locust and Oak Treennails, Hackmatack Knees and Timber.

McQuesten & Fogg's

Steam Saw and Planing Mill, Shippers and Dealers in Yellow Pine, Oak, Hackmatack

SHIP AND BRIDGE TIMBER,

White Pine and Spruce Timber, Locust and White Oak Treennails, Ship Stock, etc.,

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George McQuesten.

Order Box, 110 Mechanics' Exchange.

George H. Fogg

Ship Bread.



CRACKERS.



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Patentees and Manufacturers of

Port & Starboard Side Lights,

Ship, Railroad, Street, and Patent

SIGNAL LANTERNS,

42 SUDBURY STREET,

BOSTON.

N. TUFTS.

A. TUFTS.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Chandlers, Ship.—Continued.

Coker Stephen.....	Newburyport, Mass
Mackenney Thomas.....	" "
Bowly J. E. & G. T.....	Provincetown, "
Cook E. & E. K. & Co.....	" "
Cook H. & S. & Co.....	" "
Crocker & Atwood.....	" "
Freeman & Hilliard.....	" "
Lewis B. A. & Co.....	" "
Mayo Isaac F.....	" "
Nickerson R. E. & A. & Co.....	" "
Paine J. & L. N.....	" "
Small E. E. 364 Commercial.....	" "
Union Wharf Co.....	" "
Goodhue William P.....	Salem, "
Pettingell & Bros.....	" "
Walen & Co.....	" "
Tucker H. N.....	Stoughton, "
Holmes Charles.....	Vineyard Haven, Tisbury, "
Union Trading Co. S. Harding, agt.....	Wellfleet, "
Coggeshall J. & L.....	Newport, R. I
Cotrell Silas H. & Co. 253 Thames.....	" "
Sayer Joshua.....	" "
Southwick J. M. K.....	" "
Earle William, 132 S. Water.....	Providence, "
Higgins J. R. & Co. 265 S. Main.....	" "
Knickerbocker W. P. & Co. 88 S. Water.....	" "
Purinton R. H., 262 S. Main.....	" "
Sammiss John M. & Co.....	Bridgeport, Ct
Avery P. P.....	New-Haven, "
Austin & Co.....	" "
Brown H. A. & Co.....	New-London, "
Fitch James.....	" "
Weaver C. A. & Co.....	" "
Wilson Manufacturing Co.....	" "
Wilcox, Crittenden & Co.....	Middletown, "
Baker Howard M. & Co. 25 South.....	New-York
Baxter John C. & Son, 308 West.....	"
Baker & Affleck, ft Delancey.....	"
Baker & Foster, 23 South.....	"
Biggam Hamilton, 399 West.....	"
BORLAND JAMES & CO. 53 South.....	"
Brigham Lucien F. 56 South.....	"
Bryan & Stevens, 26 South.....	"
Byrnes Thomas, 193 South.....	"
Cann Lyman E. 120 Broad.....	"
Chase Talbot & Co. 30 South.....	"
Collis George G. 162 South.....	"

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

WM. F. GREEN & SON,
Ship Builders, Shipwrights and Caulkers.

ALL DESCRIPTIONS OF VESSELS

BUILT AT THE SHORTEST NOTICE.

PARTICULAR ATTENTION PAID TO REPAIRING,

And at Satisfactory Rates.

Yard and Office, 282 BORDER STREET,
EAST BOSTON.

JUSTIN E. TAYLOR, WM. H. COLBY,
SHIP BUILDERS.

Models, Drawings, and Calculations of all descriptions of Vessels made on short notice. Orders for Building or Repairing executed with dispatch, and on reasonable terms.

YARD and OFFICE, CONDOR STREET,
NEXT TO MERIDIAN STREET BRIDGE, **EAST BOSTON.**

P. O. Address, Chelsea, Mass.

CHAS. M. PARTELOW,
BOAT BUILDER.

Lap-Streak and Whitehall Boats Built in Latest Styles.

Yacht Tenders and Adirondacks. Canoes a Specialty.

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BOSTON.

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BOAT BUILDERS

Boats to let. Spars made to order.
Repairing promptly attended to.
Storage for Boats, etc.

CITY POINT WHARF,
East Sixth St., bet. P and Q Sts.

SOUTH BOSTON, MASS.

GEORGE LAWLEY & SON,
Boat Builders,

CITY POINT,
SOUTH BOSTON.

Yachts and Boats of every description built to order and repaired. Yachts and Spars stored for winter.

GEO. LAWLEY.

GEO. F. LAWLEY.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

United States Custom Fees.

The following is the list of fees required by law to be paid at the several Custom Houses, and no other fees shall be received than those here specially enumerated.

For admeasuring every vessel, in order to the enrollment or licensing and recording the same :

For vessels above 100 tons.....	\$1 50
For certificate of enrollment.....	50

License, and granting the same, including bond :

For vessels above 100 tons.....	1 00
Indorsement on a license.....	20

Certifying manifest, and granting permit for licensed vessels to go from district to district :

For vessels above 50 tons.....	50
--------------------------------	----

Receiving certified manifest, and granting permit on arrival of such vessels :

For vessels above 50 tons.....	50
--------------------------------	----

For certifying manifest, and granting permission to registered vessels to go from district to district.....	1 50
---	------

Receiving certified manifest, and granting permit on arrival of such registered vessel.....	1 50
---	------

Granting permit to a vessel not belonging to a citizen of the United States, to go from district to district, and receiving manifest.....	2 00
---	------

Receiving manifest, and granting permit to unload for last-mentioned vessel, on arrival at one district from another..	2 00
--	------

Entry of a vessel of 100 tons and more.....	2 50
---	------

Clearance of vessel of 100 tons and more.....	2 50
---	------

In the Lake Ports the fees for entering and clearing are now 50 cts. in each case. All enrolled and licensed vessels departing from or arriving at a port in one collection district, to or from a port in another collection district, although touching at intermediate foreign ports, are exempt from the payment of the direct entrance fees, and

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Small, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Colombia.

NEW-GRANADA, VENEZUELA, AND ECUADOR.

SANTA MARTA : Rates of Pilotage : The charge for bringing a vessel into port is from \$6 to \$12, or say from £1 4s. to £2 8s., according to the distance the pilot goes out to board her. Few vessels, however, coming to Santa Marta signal for a pilot, as the entrance to it is so open, and the land-marks leading to it are so prominent, that his services are not required.

RIO HACHA : Expenses of a vessel of 149 tons register, drawing 10 feet 4 inches, and loading in $2\frac{1}{2}$ fathoms, a cargo of 70 tons divi-divi, and 50 tons Brazil-wood :

Water.....	\$ 6 00
Wood.....	5 00
Labor, at 3s. 4d. per dollar, £5 17s.....	25 00

MARACAIBO : Charges and dues on a vessel of 110 tons register, ballast in and a cargo out consisting of 40 tons fustic and 75 tons (Spanish weight) divi-divi, drawing $9\frac{1}{2}$ feet loaded :

Doctor's bill.....	\$ 3 00
Captain of the Port, and measurement.....	6 00
Interpreter's fees.....	3 63
Bill of health.....	3 25
Tonnage dues, 174 tons, at 50 cents.....	86 96
Light dues, 174 tons at 6 cents.....	10 43
Pilotage, in and out, \$4 per foot.....	67 00
Permit and stamps.....	12 50
Clearance.....	25 00
	<hr/>
	\$217 77

PUERTO CABELLO : Expenses of a vessel of 264 tons register :

Custom dues, clearing for Tucacas.....	\$250 45
Laborage at Tucacas, per man, per day.....	1 00
Beef per pound.....	8
Light dues, payable at Puerto Cabello, 6 cents per ton.....	15 84
Fresh water, per ton.....	15

LA GUAYRA : Expenses of a vessel of 179 Spanish tons, cargo in and out :

Harbor Master's visit.....	\$ 3 00
Health Officer's visit.....	3 00
Measurement.....	3 00
Interpreter's visit, \$3 ; and fees, \$2.13.....	5 13
Water dues, 15 cents per ton.....	26 85
Inward tonnage dues, 179 tons, at 50 cents.....	89 50
Outward " " ".....	89 50
Light-house dues, 179 tons, at 6 cents per ton.....	10 74
Sea pass, \$4 ; Consul's fees, \$4.....	8 00
Stamps for entrance and clearance.....	1 50
Bill of health.....	1 25
Lighterage, unloading.....	216 00
Advertisement for freight.....	1 25
Medicine for crew.....	8 00
Telegram to Caracas about freight, and postages.....	80

U. S. Custom Fees.—Continued.

from the payment of the tonnage tax. But in all such cases an entrance and clearance must be made :

Post entry.....	\$2 00
Permit to land or deliver goods.....	20
Bond taken officially.....	40
Permit to load goods for exportation entitled to drawback....	30
Debenture or other official certificate.....	20
Bill of health.....	20
Official documents, except register, required by any merchant, owner, or master of any vessel not before enumerated...	20
Admeasurement, certifying vessels :	
Over 100 and not over 200 tons.....	1 50
Over 200 tons.....	2 00
Other services to be performed by the surveyor, in vessels of 100 tons and more, having on board merchandise subject to duty.....	3 00
All vessels not having merchandise subject to duty.....	66 $\frac{2}{3}$
Protection.....	25
Crew list.....	5
Certificate of registry and bond.....	2 25
Indorsement on register.....	1 00
General permit to ship to land passengers and baggage.....	20

WEIGHING : 1 $\frac{7}{8}$ cts. per 112 pounds.

GAUGING : Casks, 12 cts. each ; cases and baskets, 4 $\frac{1}{2}$ cts. each ; ale, porter, etc., 1 $\frac{1}{2}$ cts. per dozen bottles.

MEASURING : Coal, 90 cts. per 100 bushels ; chalk, brimstone, etc., 90 cts. per 100 bushels ; salt, 75 cts. per 100 bushels ; potatoes, seeds, grain, and all other measurable articles, 45 cts. per 100 bushels. Marble, mahogany, cedar-wood, etc., the actual expenses incurred.

TONNAGE DUES : 30 cts. per ton register. These dues are payable once in twelve months. Vessels making one or more voyages within that period have only to pay once.

Baltimore Copper Paint is equal to any in Use.


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C. Giffing, Ag't, 31 South St., N. Y.**

BAKER & PRINCE, Sail Makers and Boiler Feltors,

DEALERS IN

ROPE, CANVAS, FELTING, ETC.

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 Particular attention paid to Steamboat work—Covering Decks—Awnings—Felting and Covering **BOILERS** and **PIPES**. Having had a large experience in this business, we can perform the work in the most efficient manner. A very superior quality of Boiler and Pipe **FELT** constantly on hand at the lowest prices.

Also, Manufacturers and Dealers in all kinds of **TENTS**.

COAST SURVEY, CAMP AND INSTRUMENT TENTS,

Made with neatness and dispatch.

MAMMOTH TENTS TO LET.

REFERENCE:

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| Nelson Curtis, Esq., Agent Atlantic Works.

JAMES MARTIN & SON,

MANUFACTURERS OF

TENTS, FLAGS AND WAGON COVERS,

JOBBERS IN

AWNING STOCK AND FIXTURES.

Particular attention paid to the making of Vessels' Colors and Burgees.

114 COMMERCIAL STREET, BOSTON.

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JAMES A. MARTIN.

W. H. LYNCH & CO., FLAG MAKERS, SAIL MAKERS,

AND MANUFACTURERS OF

Italian and Store Awnings, Boat Sails.

ALSO ON HAND, TENTS FOR SALE OR TO LET.

Flag and Wagon Covers, Canvas Signs, Second-Hand Canvas for Covers

22 NORTH MARKET STREET,

BOSTON.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Chandlers, Ship.—Continued.

Comerford & Collins, 170 South	New-York
Creed George H. 49 Warren	"
Crocker & Wood, 52 South	"
DAVEY & SWAN, 66 South	"
Deike F. & Co. 58 West	"
Driscoll Edward, 204 South	"
Gilchrest White & Co. 36 South	"
Haake A. & C. Baasel, 30 Rector	"
Hanson Hans J. 488 Cherry	"
Harkness Peter & Co., 154 South	"
Harrison John jr. 157 South	"
HAYDEN HORACE, 49 South	"
Heidenheim & Co. 43 Front	"
Heney William A. 25 Coenties slip	"
HICKS & BELL, 68 South	"
Hinman William K. & Co. 169 South	"
Hirschsprung & Normann, 88 Broad	"
Hopkins & Nelson, 192 West	"
Jarrard & Wilson, 89 West	"
Kane Nicholas, 171 South	"
Knowles & Edmonds, 261 West	"
Lewis John H. & Co. 31 South	"
Liebers Christian, 54 West	"
Mallory & Co. 50 South	"
Maxwell John T. B. 77 South and 169 Maiden lane	"
McCormick Robert, 32 Old slip	"
McLean David W. 20 East	"
McMurray & Dammarell, 156 Maiden lane	"
Mills Stephen H. & Co. 107 South	"
Moore Elias, 304 West	"
Neff Barzillai G. 32 South	"
Newton James B. 217 West	"
Pearce Pierre L. 26 Moore	"
Penfield & Tarbox, H. B. Newhall agt, 11 Warren	"
Plyer William H. 205 South	"
POLLOCK & VAN WAGENER (see page 210), 212 West	"
Pratt Charles H. 34 Burling slip	"
Russell W. J. & Bro. 37 South	"
Raymond Charles H. 49 Warren	"
Schroeder Otto F. 115 Broad	"
Seaman John A. 131 Ave D	"
Siebein John L. 85 West	"
Snell Nicholas, 33 Broad	"
Spraker James D. 123 Broad	"
Squire Lewis L.'s Sons, 291 Front	"
Steelmann Jeremiah, 86 West	"

New Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Colombia.—Continued.

Commission for entering and clearing the ship.....	\$ 50 00
Two and a half per cent commission on inward freight, £208 18s. 9d.—£15 17s. 11d., ex. at \$6.50.....	33 96
Five per cent commission on outward freight, £317 17s. 8d.—£15 17s. 11d., ex. at \$6.50.....	103 30
	<hr/> \$654 78

ORINOCO RIVER : Charges and dues of a vessel of 111 tons register :

	Pesos cts.
Visit of the master of the port.....	3 00
Translation of manifest.....	10 00
Measuring ship.....	16 00
Visit of the doctor.....	3 00
Pilot, from the discharging to the loading place.....	2 50
Tonnage duty inward, 167 $\frac{3}{4}$ tons, at 50 cts.....	83 88
“ “ outward, “ “ “ “.....	83 88
Inward pilotage, 8 feet, at 4 pesos.....	32 00
Outward “ “ “ “.....	32 00
Light dues, 167 $\frac{3}{4}$, at 6 cts.....	10 00
License.....	4 00
Hospital, 6 men, at 1 $\frac{1}{2}$ pesos per man.....	9 00
Bill of health, etc.....	3 00
	<hr/> 292 32
(Nearly)	297.16.)

GUAYAQUIL : Dues and charges of a vessel of 23 tons register :

Pilotage inward.....	\$22 00
“ from wharf.....	4 50
“ outward.....	33 50
Wharfage.....	23 32
Caulking ship.....	65 00
Shipwright's account.....	39 00
Beef and pork in barrels, from Callao.....	195 00
Subscription to cemetery.....	5 00
Postage of letters.....	3 50
Clearance stamps and bill of health.....	21 50
Cash to captain.....	600 00
Commission for doing ship's business.....	50 00
	<hr/> \$1062 32

Honduras.

OMOA : Expenses on a vessel of 516 tons register, arriving in ballast, and loading 650 tons fustic :

Tonnage dues, 2 reals per ton.....	\$129 00
Laborage, \$1 per man per day.....	310 00
	<hr/> \$439 00

TRUXILLO : Charges on a vessel of 423 tons register :

	ris
Tonnage dues, manifest entry, signing bonds and clearances.....	\$262 2
Light dues inward.....	52 7
“ “ outward.....	52 7
Stevadore and 8 men, loading the cargo, and bringing mahogany out at Roman River.....	658 4
	<hr/> \$1026 4

Chandlers, Ship.—Continued.

Stringham David H. 372 South.....	New-York
Talmage & Truesdell, 233 West.....	"
Tapscott William & Son, 86 South.....	"
Terry Charles M. 106 South.....	"
Thurlow B. T. & Son, 38 South.....	"
Tucker Joseph A. 167 South.....	"
Vanwinkle A. & Son, 205 West.....	"
WARD & TOWER, 43 South.....	"
Way Sylvanus, 22 Cliff.....	"
White Thomas H. 238 West.....	"
Whitlock William S. & Co. 57 South.....	"
BAKER E. & J. (see page 302) 138 N. whvs.....	Philadelphia
Bartlett & Shepperd, 305 N. Front.....	"
BISHOP E. 18 S. Delaware av.....	"
Bloodgood Joseph B. 350 N. Delaware ave.....	"
Cain & Gordon, 826 Swanson.....	"
Crawford & Wilson, 302 S. Delaware ave.....	"
Darrah & Elwell, 512 S. Delaware ave.....	"
Dowdall Charles, 7 W. Front.....	"
Hammerschlag Philip, 404 S. Delaware ave.....	"
Julius & Anderson, 426 S. Delaware ave.....	"
LAUGHLIN JOHN (see page 272), 18 N. Delaware ave.....	"
Loper & Doughten, 55 N. Front.....	"
Matthews Ludlam & Son, 526 Beach.....	"
Pedrick Samuel P. 318 S. Delaware ave.....	"
Schrader John, 13 Poplar.....	"
Shaw & Co. 323 S. Delaware ave.....	"
SHUBERT & COTTINGHAM (see page 320), 120 N. Delaware ave.....	"
Simpson Arthur S. Christian cor Swanson.....	"
Wallace John, 700 N. Front.....	"
WILLIAMS RICHARD B. (see page 256) 46 & 48 N. Delaware ave.....	"
Barry Homer, 13 E. Water.....	Wilmington, Del
RUSSELL GEORGE W. (see page 314) 112 W. Front.....	" "
BAILEY E. & CO. (see page 356) 107 Thames.....	Baltimore
BIXLER WILLIAM H. H. Hughes n e cor Covington.....	"
Edgar George H. 73 Smith's whf.....	"
Henderson John & Co. Pratt cor Commerce.....	"
JAHN & CO. (see page 348) 127 E. Thames.....	"
Jones Levin, 168 Light st whf.....	"
Jones William C. 168 Light st whf.....	"
Klinefelter Bros. Pratt s w cor South.....	"
Le Bron & Bro. 1 Thames.....	"
Loud, Claridge & Co. Smith's whf cor Pratt.....	"
Nelson Henry & Son, 7 Fell.....	"
Steffins Henry, 26 Fell.....	"

Baltimore Copper Paint is unsurpassed.

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AWNINGS OF ALL KINDS, TENTS, FLAGS, ETC.,

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CALVIN HAMMOND.

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D. V. TERHUNE.

Second-hand Duck and Sails bought and sold.

R. M. YALE, SAIL MAKER,

And Manufacturer of

Italian Awnings, Tents, Flags, Wagon Coverings, Sackings, and Store
Awnings of every description,

Corner Commercial & South Market Streets,
(Entrance, 2 South Market Street,) **BOSTON.**

R. M. Y. keeps constantly on hand a good assortment of Awning Stripes of various patterns, and all orders will be promptly attended to. Also, Tents of all sizes, and Flags of all Nations, to let on reasonable terms. **Ship and Yacht Flags a specialty.**

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No. 301 COMMERCIAL STREET, BOSTON.

MAST-YARD, EAST BOSTON.

Masts and Spars of all descriptions made to order at short notice.

Masts and Spars suitable for Shipping, (rough or hewn,) constantly on hand
and for sale, wholesale and retail.

EMERY D. LEIGHTON, SHIPWRIGHT AND CAULKER,

(SUCCESSOR TO FOSTER & LEIGHTON,)

109 SUMNER STREET,
EAST BOSTON.

Blocks for taking on Vessels for Examination.

Vessels of any class taken on any of the Public Docks or Ways at lowest rates.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Chandlers, Ship.—Continued.

Struven D. 74 & 76 Thames.....	Baltimore
Wadsworth & Clayton, 75 Smith's whf.....	"
Waite Samuel R. Hughes cor Covington.....	"
Wiley Alexander, 166 Light st whf.....	"
Woodall William E. & Co. 46 Covington.....	"
CANNON J. H. (see page 368) 8 Campbell's whf.....	Norfolk
HUBBARD GEORGE S. & CO. (see page 364) Main cor Mathews.....	"
Kimberly Bros. 163 & 165 Water.....	"
Peed & Gibbs, Water cor Roanoke sq.....	"
Groning L. 78 E. Bay.....	Charleston
Jancovich Mrs. S. cor E. Bay & Guignard al.....	"
STELLING E. H. (see page 394) 149 E. Bay.....	"
Stone Albert O. 141 E. Bay.....	"
Trescot & Lindstrom, 75 E. Bay.....	"
Claghorn & Cunningham, 116 Bay.....	Savannah
Paulsen J. & Co. market dock ft Barnard.....	"
Thompson & Walter, 91 Bay.....	"
PICKFORD ROBERT, head Bennett's whf.....	Halifax, N. S

***Chandlers, Tallow.**

ELKINTON LINDLEY M. (see page 302) 116 Marga- retta.....	Philadelphia
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Charts and Maps.*(See also Chronometers and Nautical Instruments.)*

Bufford John H.'s Sons, 490 Washington.....	Boston
Hammett J. L. 37 Brattle.....	"
Holzer W. 541 Washington.....	"
Perry & Spaulding, 147 Court.....	"
THAXTER SAMUEL & SON (see page B, front fly-leaves), 125 State.....	"
Walling H. F. 102 Chauncy.....	"
White & King, 472 Washington.....	"
SHERMAN CHARLES R. (see page 128) 49 N. Water.....	New-Bedford, Mass
Asher & Adams, 59 Beekman.....	New-York
Beers F. W. & Co. 36 Vesey.....	"
Beers J. B. & Co. 36 Vesey.....	"
BLISS JOHN & CO. (see page 252) 110 Wall.....	"
Bridgman Edward Co. 5 Barclay.....	"
Burns & Co. 33 Park row.....	"
Colton G. W. & C. B. & Co. 172 William.....	"
Dreeher George, 66 Park pl.....	"
Dripps Mathew, 34 Vesey.....	"
EGGERT D.'S SONS, 74 Wall.....	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Agent, 31 South St., New-York.**

Port Charges, Buenos Ayres, Montevideo, La Plata.

BUENOS AYRES : Expenses of a vessel of 121 tons register :

Pilotage from Point Indio to the roads (10 feet).....	\$40 00
“ “ “ “ out.....	40 00
“ from the outer to the inner roadstead.....	14 00
“ “ “ inner “ outer “.....	14 00
Reporting vessel inward.....	25 00
Opening register.....	10 00
Closing “.....	15 00
Light dues.....	8 00
Captain of the port.....	7 50
Consular charges.....	11 00

\$184 50

MONTEVIDEO : Rates of pilotage from Montevideo to Buenos Ayres, to be paid in Montevideo :

9 to 10 feet, Burgos measure.....	\$60 00
10 “ 11 “ “ “.....	70 00
11 “ 12 “ “ “.....	80 00
12 “ 13 “ “ “.....	100 00
13 “ 14 “ “ “.....	120 00
14 “ 15 “ “ “.....	140 00
15 “ 16 “ “ “.....	160 00
16 “ 17 “ “ “.....	190 00
17 “ 18 “ “ “.....	220 00

Light dues, 4 cents per ton on every vessel coming from or proceeding outside the capes.

Stevedore, \$6 of patacous (about 20 r.) per 1000 dry hides.

URUGUAY RIVER : Charges on a vessel of 178 tons register :

Pilotage up the island and down.....	\$17 40
Custom House charges.....	31 00

\$48 40

PAYSAUDU : Expenses on a vessel of 214 tons :

Port dues.....	\$52 50
Stamps, paper, etc.....	10 00
Brokerage.....	8 00

\$70 50

CONCEPCION : Expenses on a vessel of 167 tons register :

Stamps.....	\$20 75
Declaration.....	25
Permit.....	3 00
Captain of the Port.....	3 00
Custom House, entering and clearing.....	10 00

\$37 00

FRAY BENTOS : Charges on a vessel of 249 tons :

Stowage of cargo (hides).....	\$64 00
“ “ (tallow).....	42 70
Tonnage dues.....	49 80
Stamps, etc.....	10 50
Pilotage, up and down.....	96 00

\$263 00

PARANA RIVER : Charges on a vessel of 215 tons register :

Port dues.....	\$46 20
Pilotage from Montevideo.....	121 00

\$167 20

Charts and Maps.—Continued.

Haasis & Lubrecht, 107 Liberty.....	New-York
Hipp & Zerrenner, 176 William.....	"
Lloyd H. H. & Co, 21 John.....	"
Neuman Lewis E. 36 Vesey.....	"
Shelley Mortimer M. 22 Ann.....	"
Steiger E. 22 Frankfort.....	"
Gray O. W. 10 N. 5th.....	Philadelphia
Smith John L. 27 S. 6th.....	"
Van Deveer Lloyd, 31 S. 6th.....	"
Lange J. H. Pratt cor Spear's whf.....	Baltimore
Larmour & Co. Thames cor Broadway.....	"
Sloan Francis J. Pratt cor Spear's whf.....	"
Stowell A. 64 W. Pratt.....	"

***China, Glass and Crockery.**

ESTABROOK & ROBINSON (see page 60), 69 Broad....	Boston
SHAW JAMES M. & CO. 20 Duane.....	New-York

Chronometers and Nautical Instruments.

(See also Nautical Instrument Makers.)

SENDER WILLIAM & CO. (see page 52) 54 Exchange....	Portland
BOND WILLIAM & SON (see page 80), 17 Congress.....	Boston
Monroe James & Son, 127 State.....	"
THAXTER SAMUEL & SON (see page B, front fly leaves), 125 State.....	"
Carter John H.....	Newburyport, Mass
Smith D. T.....	Salem, "
BLISS JOHN & CO. (see page 252) 110 Wall.....	New-York
Bruggemann Ludwig, 48 Nassau.....	"
Duren & Medinger, 20 Burling slip.....	"
EGGERT D.'S SONS, Wall cor Pearl.....	"
Gray P. L. de Morey, 62 South.....	"
Hammond Samuel, 41 William.....	"
JOHNSTON J. H. (see page opp. back poster) Bowery cor Broome.....	"
Kruger Philip J. 64 Nassau.....	"
Murray John J. 23 South.....	"
NEGUS T. S. & J. D. 140 Water.....	"
RUPP MICHAEL & CO. 39 South.....	"
Battles Augustus S. 436 Walnut.....	Philadelphia
Bielfeld Francis, 410 N. 10th.....	"
Bircher Gottlieb, 1319 Wood.....	"
Diehl J. H. & Co. 728 Chestnut.....	"
Draper Edmund, 226 Pear.....	"
Dunham & Mathieu, 924 Chestnut.....	"
Fitzgerald George C. 519 Cherry.....	"

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Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

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PLUMBERS AND GAS FITTERS,

SHIPS' CABOOSES AND STOVES,

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Tin, Sheet-Iron and Copper Ware Made to Order and Repaired.

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WROUGHT BRASS BUTT HINGES,

*Seamless Brass and Copper Tubes, Brass and Copper Rivets,
Burners and Coal-Oil Lamp Trimmings, etc.,*

53 and 57 OLIVER ST., BOSTON, MASS.

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SHIP BROKERS**

AND

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W. S. STOUTENBURGH.

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SHIP BROKERS**

AND

SOUTHERN PACKET AGENTS,

No. 168 State Street,

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**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

BAR PORTS OF THE NORTH-AMERICAN COAST.

The following table, compiled partly from the United States Coast Survey reports, shows the depth of water on the bars named:

THE ATLANTIC COAST.

- Apalachicola*—Mean low water, 13 ft. ; high water, 14 ft. 1 in.
Beaufort (Old Topsail Inlet)—Mean low water, 15 ft. ; mean rise and fall of tide, 2 ft. 8 in.
Berbice, British Guiana—Mean low water, 6 ft. ; rise, 9 ft.
Brazos Santiago—Low water, winter, 8 ft. ; summer, 6 ft.
Charleston—Mean low water, 11 ft. ; high water, 16 ft. 1 in.
Darien or Doboy—Mean low water, 15 ft. 5 in. ; high water, 22 ft. 1 in.
Demerara, British Guiana—Mean low water, 10 ft. ; rise, 9 ft.
Fernandina—Mean low water, 11 ft. ; high water, 16 ft. 8 in.
Galveston—Mean low water, 12 ft. ; high water, 13 ft. 1 in.
Hatteras Inlet—Mean low water, 14 ft. ; high water, 17 ft. 6 in.
Mobile—Mean low water, 21 ft. ; high water, 22 ft.
Minatitlan, Mexico—Mean low water, 12 ft. 6 in. ; rise, 3 ft.
Matamoras, Mexico—Mean low water on the bar at the mouth of the Rio Grande, 7 ft. ; rise, 1 ft.
Maracaibo, Gulf of Mexico—Mean low water, 11 ft. ; rise, 2 ft. 6 in.
Nassau, N. P.—Mean low water, 17 ft. This bar is rocky, and is only safe for 15 ft.
New-York—Mean low water, 21 ft. ; average rise and fall of tide, 5 ft.
Pass a l'Outre—Mean low water, 12 ft. ; high water, 13 ft.
Pensacola—Mean low water, 22 ft. 5 in. ; high water, 23 ft. 5 in.
Port Royal—South Channel, mean low water, 19 ft. 5 in. South east Channel, mean low water, 21 ft. ; mean rise and fall of tide, 6 ft. 6 in.
San Luis Pass—Mean low water, 8 ft. ; high water, 9 ft. 1 in.
South-west Pass—Mean low water, 18 ft. ; high water, 19 ft.
St. Andrew's Inlet—Main ship channel, mean low water, 13 ft. ; high water, 14 ft.
St. Augustine—Mean low water, 7 ft. ; high water, 11 ft. 2 in. ; half tide, 9 ft.
St. George's Sound—Mean low water, 15 ft. 5 in. ; high water, 17 ft. 1 in.
St. Mark's—Mean low water, 9 ft. ; high water, 11 ft. 5 in.
St. Simon's Sound—Mean low water, 15 ft. ; high water, 21 ft. 8 in.
Tampa Bay—Mean low water, 19 ft. ; high water, 20 ft. 4 inches.
Tampico, Mexico—Mean low water on the bar, 10 ft. ; rise, 2 ft.
Wilmington—New Inlet bar, mean low water, 8 ft. ; high water, 12 ft. 5 in. Captain J. B. Lawton, Harbor Master, reports the following soundings : Western bar, 10 ft. 8 in. ; on the Rip, 7 ft. 10 in. These soundings are taken at low tide. A rise of $4\frac{1}{2}$ ft. would give 12 ft. 4 in. on the Rip, and 15 ft. 2 in. on the bar.

THE PACIFIC COAST.

- Columbia River, Oregon Bar*—Mean low water, 24 ft. ; high water, 32 ft.
San Francisco—Mean low water on bar, 33 ft. ; high water, 37 ft.
Tomales Bay—Mean low water over bar, 10 ft. ; high water, 14 ft.
Humbolt Bay—Mean low water on bar, half a mile from shore, 21 ft. ; high water, 25 ft. 7 in.
Koos Bay—Mean low water over bar, 11 ft. ; high water, 16 ft. 7 in.
Umpqua River—Mean low water on bar opposite mid-channel, 13 ft. ; high water, 19 ft.
Shoalwater Bay—Mean low water on bar, 18 ft. ; high water, 24 ft. 5 in.

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 John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Brazil.

PARA : Expenses of a schooner of 132 tons, coal in and general cargo out :

	Reis.
Translation and copy of manifest.....	10,000
Stamps, 11,200 reis; postage, 3,000 reis.....	14,200
Pilotage in, 60,000 reis; out, 80,000 reis.....	140,000
Carriage hire to the arsenal.....	8,000
Laborers, 17 at 3,000 reis each.....	51,000
Permit to discharge.....	3,520
Lighters for discharging coals.....	112,000
Physician and medicines.....	5,000
Consul's fees.....	16,000
Bill of health.....	5,000
Government permit, clearing, tonnage, and hospital dues.....	134,770
	<hr/>
	499,490
Commission, 5 per cent.....	24,975
“ on inward freight, 3 per cent on £261 6s. = £7 16s. 9d.....	104,500
	<hr/>
	628,965
Lighters for outward cargo.....	48,000
Stevedores “ “.....	17,000
	<hr/>
	65,000
Commission, 5 per cent.....	3,250
	<hr/>
	68,250
	<hr/>
	697,215
Commission on outward freight, £225 at 5 per cent = £11 5s.....	150,000
	<hr/>
	847,215

(About \$307.32.)

MARANHAM : Expenses of a schooner of 135 tons register, cargo in and out, and six weeks in port :

	Reis.
Quarantine dues and charges.....	88,320
Translation of manifest, etc.....	20,000
Lighterage, discharging flour (custom of the port).....	120,400
License for the lighters.....	2,520
Pressing 505 bales cotton, at 800 reis per bale.....	404,000
Stowing “ “ and 1000 bags sugar.....	266,000
Lighterage for cotton and sugar.....	49,560
Dunnage, baskets and water.....	33,000
Despachaute, etc.....	107,800
Consul's fees.....	43,200
Commission on cargo in and out.....	297,764
	<hr/>
	1,432,567

(About \$578.36.)

CEARA : Charges on a vessel of 383 tons register:

	Reis.
Inward pilotage.....	24,000
Freight stamp.....	16,000
Stamps for sundries.....	2,400
Government pass and stamp.....	10,200
Half anchorage dues.....	86,100
Stamps on bills of lading.....	2,200
Stamps at Customs.....	640
Sundry certificates.....	2,400
Captain of the Port.....	200
Bill of health.....	3,200
Custom House pass.....	6,400
Dispatching the ship.....	20,000

Chronometers and Nautical Instruments.—Continued.

Francis Lawrence C. 126 S. 8th.....	Philadelphia
Glass James, 1413 Chestnut.....	"
Gutgesell John B. 901 Chestnut.....	"
Helfricht William, 240 S. Front.....	"
Heller & Brightly, 33 N. 7th.....	"
Knebler & Seelhorst, 727 Jayne.....	"
Neff Jacob, 622 Cherry.....	"
Riggs & Bro. 244 S. Front & 116 S. 4th.....	"
Storey Edwin A. 207 N. 10th.....	"
Young William J. & Sons, 43 N. 7th.....	"
Lange John H. Pratt cor Spear's whf.....	Baltimore
Larmour & Co. Thames cor Broadway.....	"
Sloan Francis J. Pratt cor Spear's whf.....	"
Stowell A. 64 W. Pratt.....	"
Freeman Arthur C. 160 Main.....	Norfolk
Jordan H. F. 135 Congress.....	Savannah

*** Circus Tent Manufacturers.**

POST BROS. (see page 294) 426 S. Delaware ave.....	Philadelphia
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Cleats and Chocks.

(Manufacturers.)

BROWN WILLIAM (see page 162), 541 W. 35th.....	New-York
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*** Coal Dealers.**

PERKINS & JOB (see page 94), 91 State.....	Boston
JAYNE B. F. & CO. (see page 176) 78 & 80 Rutgers slip..	New-York
PERKINS & JOB (see page 198), 27 South.....	"
SWEEGAN E. F. & CO. (see page 386) 2 Central whf....	Charleston

*** Compasses.**

THAXTER SAMUEL & SON (see page 13, front fly-leaves), 125 State.....	Boston
---	--------

*** Cooperage Stock.**

MILLS JAMES L. & SONS, 160 State.....	Boston
MORSE A. P. & CO. 50 India.....	"

*** Coopers' Tools.**

BRADFORD JOSEPH (see page 30), 200 Fore.....	Portland, Me
MORSS ANTHONY S. (see page 132) 210 Commercial.....	Boston

Coopers.

Armstrong E. Widgery's whf.....	Portland, Me
Barstow George S. & Co. Widgery's whf.....	" "

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Also on Marginal Street, opposite Simpson's Dry Dock, East-Boston.

J. W. FITCH.

D. G. JOY.

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ing. Manufactory, Bath, Me.**

Coopers.—Continued.

Brooks & Lombard, Plum bet Fore & Commercial.....	Portland, Me
BURNHAM GEORGE, 54 Commercial.....	" "
Chase John, 22 Commercial whf.....	" "
Chase & Cushing, Portland pier.....	" "
Clapp James, 20 Casco.....	" "
Dyer Charles A. Portland pier.....	" "
FICKETT JAMES H. 3 Union.....	" "
Gilson Edward J. 124 Commercial.....	" "
HARMON & WILSON, 240 Commercial.....	" "
JORDAN G. E. (see page 30) Cross bet Fore & Commercial.....	" "
NEWCOMB D. L. head Central whf.....	" "
Phinney & Jackson, 223 Commercial.....	" "
Sawyer F. O. 18 Long whf.....	" "
Sawyer J. W. & Co. 166 Commercial.....	" "
Scannell Timothy J. 6 Franklin whf.....	" "
Thomes, Chase & Co. 22 Commercial whf.....	" "
Wright Charles H. Cotton nr Force.....	" "
Harlow A. H.....	Portsmouth, N. H
ARMSTRONG & SCOTT, Atlantic ave opp Richmond.....	Boston
Beck L. & Son, Boston whf.....	" "
Bolger P. F. 38 Batterymarch.....	" "
Carlton J. K. Carlton's whf.....	" "
Cate Samuel, opp 7 Central whf.....	" "
Connolly & Co. 49 Central.....	" "
Cook Henry, 8 Murray ct.....	East-Boston
Crowley Jeremiah, Commercial cor Commerce.....	Boston
Daniels William, 37 Utica.....	" "
Davis Sumner, 396 Charles.....	" "
Donegan George, 203 First.....	" "
Eaton J. B. 340 Commercial.....	" "
Goddard E. W. 27 Richmond.....	" "
Gruber A. D. 236 Commercial.....	" "
HILL & WRIGHT (see page 128), 145 Sumner.....	East-Boston
Hinckley F. 106 Commercial.....	Boston
Hopkins James, 1st cor B.....	South-Boston
Hussey J. & Co. 212 Commercial.....	Boston
Johnson Lewis, 9 Columbia.....	Charlestown, Mass
Kasburg W. H. 343 Medford.....	" "
Kenney Thomas, 130 Orleans.....	Boston
Lee W. Arlington ave nr Beacham.....	Charlestown, Mass
Lucas J. 179½ Broad.....	Boston
Lund Frederick, 548 Main.....	Charlestown, Mass
Lund James, 548 Main.....	" "
Lynch & Verge, 138 Milk.....	Boston
Morse A. P. & Co. 1st cor B.....	" "
Nickles James M. 244 Commercial.....	" "

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Brazil.—Continued.

	Reis.
Outward pilotage.....	20,000
Consul's fees.....	28,000
Labor on board, 50 days, at 3 milreis per day.....	150,000
Labor in lighters, 2 milreis per trip.....	158,000
Stevadore, 19 days, at 4 milreis per day.....	76,000
Lighterage of cargo.....	220,000
Pressing 2269 bags cotton, at 700 reis each.....	1,588,300
Hire of screws and posts, 21 days, at 1 milreis per day.....	21,000
Present to stevedore.....	20,000

2,455,040

(About \$1250.11.)

Mossoro : Charges on a vessel of 139 tons register, loading outside the bar :

	Reis.
Clearance at Natal.....	94,000
Consulate.....	22,000
Bill of health.....	4,000
Pilotage, Natal to Mossoro.....	90,000
Stevadore, 2*0 reis (7 <i>d.</i>) per bag.....	184,150
Pressing 55 bales.....	82,500
Lighterage out, 200 reis (about 5 <i>d.</i>) per bale.....	137,600
Dunnage.....	8,000

632,250

(About \$258.74.)

NATAL : Charges on a vessel of 371 tons register, ballast in and cargo out :

	Reis.
Pilotage up and down to Natal, \$50 ; to Guarapes and back, \$40.....	90,000
Wharfage dues.....	150,000
Custom House charges.....	108,090
Permit to go to Guarapes.....	6,800
Custom House Officer.....	12,800
Consul's fees.....	23,500

*Stevadore's account, loading :

1400 bags sugar, 1246 bales cotton, 46 tons Brazil-wood, 600 dry salted hides..... 468,000

859,190

(About \$350.70.)

PARAIBA : Expenses of a brig of 204 85-100 tons register, from Pernambuco to England :

	Reis.
Pilotage, inward and outward.....	59,960
Anchorage dues on 310 tons, Brazilian measurement, at 150 reis....	46,500
Stamps on dispatches and clearance papers.....	3,000
Stamps on amount of outward freight, one fifth of 1 per cent.....	10,500
Fees to the Santa Casa (Brazilian Hospital), 640 reis per head.....	9,120
†Estivador's account (stevedore).....	300,000
English Consul's fees, £3 7 <i>s.</i> 6 <i>d.</i>	20,000
Subscription to English hospital, 160 reis per ton register.....	32,640
Paid to despachante.....	6,400
Government clearances.....	8,400
Shipping charges on 4900 bags of sugar, 60 reis per bag.....	294,000
‡Pressing 360 bags of cotton, 4 reis per bag.....	20,000
Gratification to the Conferentes.....	20,000
Sundry petty expenses.....	10,000
Hire of stage for loading.....	8,000
Ship Chandler's account.....	87,400

917,920

Commission on freight, 350 tons at 3*s.* = £612 10*s.* Five per cent = £30 12*s.*, ex. at 26*d.*..... 282,269

1,200,612

(About \$629.20.)

* Stevedores' charges vary, and are always matters of agreement.

† Contracted to discharge ballast, find dunnage, mats, loading-stage, and stow cargo for lump sum of 300,000 reis.

‡ Now declared illegal.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Coopers.—Continued.

Patten William C. & Co. 163 Causeway.....	Boston
Perkins E. K. Boston whf.....	"
Pitman J. H. 25 Ferry.....	"
Sanger Z. 17 Custom House.....	"
Sawyer H. A. 170 Commercial.....	"
Sweet H. jr. 18 N. Centre.....	"
Tondorf Joseph, 82 Longwood ave.....	"
TROWER WILLIAM, 310 Commercial.....	"
Vannevar Alexander, 206 State.....	"
Walsh John H. 76 Broad.....	"
WARREN DAVID, JR. & CO. (see page 126) 323 Commercial	"
WELLS J. L. r 40 Orleans.....	"
Arrents William, Withers nr Lorimer.....	Brooklyn, E.D
Becker M. 209 2d.....	"
Beckwith Bernard S. 174 Union pl.....	"
Brennan James, 61 & 63 Kent ave.....	"
Briggs Alanson T. 107 N. 3d.....	"
Brotherton Samuel, 5th cor N. 11th.....	"
Denell J. V. & Co. 197 Joralemon.....	Brooklyn
Donovan James, 346 Van Brunt.....	"
Doyle James, 23 Washington.....	"
Flinn James W. 43 S. 5th.....	Brooklyn, E.D
Ford Ira, 3rd nr N. 6th.....	"
Gregg James, Graham ave cor Manger.....	"
Green Martin, 28 Clinton ave.....	Brooklyn
Hags J. Henry, 122 West.....	Brooklyn, E.D
Kidher Daniel, 203 Van Brunt.....	Brooklyn
Klees Henry & Bro. 40 Frost.....	Brooklyn, E.D
Lock John, 293 Devoe.....	Brooklyn
Lund William, Middleton nr Throop ave.....	Brooklyn, E.D
Murphy Terence, 102 N. 8th.....	"
Myers John, 106 Hampdon.....	Brooklyn
O'Connell Timothy, 13 Summit.....	"
O'Donnell N. & H. 1st cor 11th.....	Brooklyn, E.D
Osbough Adam, Hamilton nr Park ave.....	Brooklyn
Osmann John, 61 N. 2d.....	Brooklyn, E.D
Park John, 1st nr N. 10th.....	"
Runge Charles, 14 Coles.....	Brooklyn
Shannon Timothy, ft Montague.....	"
Smith William S. 37 S. 5th.....	Brooklyn, E.D
Thompson Joseph, 41 Sackett.....	Brooklyn
Walker Henry, 38 Raymond.....	"
Allin John, 10 Fetter's lane.....	Philadelphia
Apple Henry, 121 S. Water.....	"
Arnold Frederick, 3910 Lancaster ave.....	West-Philadelphia
Bergen Charles N. Allen's lane nr Cresheim rd. Mt Airy, Philadelphia	
Bothel William, 106 Dickinson.....	"

Baltimore Copper Paint is equal to any in use.

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Standard Fog Horns.

Van Trump and Anderson Patents.

Approved and adopted by the United States and Canadian Governments.

Their use required on all sailing crafts. The only Horns approved by the U. S. Inspectors. Price, \$6 each. Also, Rotary Fog Alarms for Light-houses, Piers, Landings, etc., the most powerful instrument known.

Alarms for Channels, Harbors, attachment to Reefs, Wrecks, etc. Fire Alarms, Police Alarms, Leak Signals, etc., to warn the instant a leak occurs. The best Farm Horn in market for use on Plantations, Farms, and in Isolated Dwellings. Every variety of Alarm and Signal.

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BOSTON.

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240 Princeton St., East-Boston.

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MANUFACTURERS OF

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Lath Yarn, Bale Rope, Steam Packing, Window Lines. etc.

Gangs of Rigging made at short notice.

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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

CODE OF FOG SIGNALS.

Manner of making Signals.

EVERY steamer, when under way, shall use a steam-whistle. Sailing vessels, and all craft propelled by sails, shall use a fog-horn.

Fog-signals.

Whenever there is a fog, whether by day or night, the fog-signals described below shall be sounded.

Sailing vessels and every craft propelled by sails, upon the ocean, lakes, and rivers, shall, when on their starboard tack, sound one blast of their fog-horn ; when on their port tack, they shall sound two blasts of their fog-horn ; when with the wind free, or running large, they shall sound three blasts of their fog-horn ; and when lying to, or at anchor, they shall sound a general alarm. In each instance, the above signals shall be sounded at intervals of not more than two minutes.

Sailing vessels, when not under way, and anchored or moored in the channel or fairway of commerce, shall sound the general-alarm signal at intervals of not more than two minutes ; and all steamers navigating in a fog or thick weather shall, by the rules governing pilots, sound the steam-whistle at intervals of not more than one minute.

Upon any craft navigating rivers without being in tow of a steamer, such as rafts, flat-boats, wood-boats, and other like craft, a fog-horn shall be sounded at intervals of not more than two minutes. (See Rule Fifteen.)

Steamers to give way to Sailing Vessels.

It shall at all times be the duty of steamers to give to sailing vessels, or other water craft not propelled by steam, every advantage, and to keep out of their way.

Regarding Fog-horns.

The selection of an instrument to be employed in giving the fog-signals required by law must in all cases be left to the master or owner of the vessel, it being only necessary that this Department shall so far regulate the selection that instruments not effective for the purpose shall be excluded. The Board of Supervising Inspectors, having upon examination approved by name the "Anderson" and "Van Trump" fog-horns, either of these instruments, or any other instrument or device for this purpose which has a power equal to those designated, or which produces a sound equivalent to that of a steam-whistle, will be considered by this Department sufficient for the purposes of the law.

DUTY OF COLLECTORS OF CUSTOMS.

Collectors will require all sail-vessels within their respective districts to be provided with the lights herein prescribed, and with suitable instruments for making the fog-signals mentioned above.

CONFLICTING RULES.

Any directions heretofore given by this Department conflicting with the above instructions are hereby revoked.

B. H. BRISTOW,

Secretary of the Treasury.

New-Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

LAWS RELATIVE TO STEERING AND SAILING RULES, AND TO THE
LIGHTS, TORCHES, AND FOG-SIGNALS TO BE PROVIDED, USED,
AND OBSERVED ON STEAM AND SAILING VESSELS, TO
PREVENT COLLISIONS ON THE WATER.

1874.
DEPARTMENT No. 110.
Secretary's Office.

TREASURY DEPARTMENT,
WASHINGTON, D. C., December 5, 1874. }

To Collectors of Customs :

This department has received information that masters of vessels frequently fail to comply with the rules and regulations herewith published, relating to the steering and sailing of vessels, and to the lights and torches to be exhibited, and fog-signals to be sounded in certain cases. The danger to navigation from such failures demands that these rules and regulations shall be rigidly enforced, and all violations thereof promptly reported and punished in the manner provided for by law.

In order that all persons concerned, and especially the masters of sailing vessels, may be fully apprised of their duties in the premises, you are directed to place a copy of this circular in possession of the master of every vessel clearing from your port. The instructions herein contained will be observed in the navigation of vessels of the mercantile marine of the United States ; and, by the provisions of the Revised Statutes, the following rules, from one to twenty-four inclusive, are made applicable to the navigation of vessels of the Navy.

STEAM AND SAIL-VESSELS.

RULE ONE. Every steam-vessel which is under sail and not under steam, shall be considered a sail-vessel ; and every steam-vessel which is under steam, whether under sail or not, shall be considered a steam-vessel.

LIGHTS.

RULE TWO. The lights mentioned in the following rules, and no others, shall be carried, in all weathers, between sunset and sunrise :

Lights for Ocean-going Steamers and Steamers carrying sail.

RULE THREE. All ocean-going steamers, and steamers carrying sail, shall, when under way, carry—

(a.) At the foremast head, a bright white light, of such a character as to be visible on a dark night, with a clear atmosphere, at a distance of at least five miles, and so constructed as to show a uniform and unbroken light over an arc of the horizon of twenty points of the compass, and so fixed as to throw the light ten points on each side of the vessel—namely, from right ahead to two points abaft the beam, on either side.

(b.) On the starboard side, a green light, of such a character as to be visible on a dark night, with a clear atmosphere, at a distance of at least two miles, and so constructed as to show a uniform and unbroken light over an arc of the horizon of ten points of the compass, and so fixed as to throw the light from right ahead to two points abaft the beam, on the starboard side.

(c.) On the port side, a red light, of such a character as to be visible on a dark night, with a clear atmosphere, at a distance of at least two miles, and so constructed as to show a uniform and unbroken light over an arc of the horizon of ten points of the compass, and so fixed as to throw the light from right ahead to two points abaft the beam, on the port side.

The green and red lights shall be fitted with inboard screens, projecting at least three feet forward from the lights, so as to prevent them from being seen across the bow.

Lights for Towing Steamers.

RULE FOUR. Steam-vessels, when towing other vessels, shall carry two bright white masthead lights, vertically, in addition to their side lights, so as to distinguish them from other steam-vessels. Each of these masthead lights shall be of the same character and construction as the masthead lights prescribed by Rule Three.

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Donnelly Arthur, 2 Decatur and 6 Fetter's lane.....	"
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Fitzgerald Rachel H. 11 Hudson.....	"
Furman David, 18 Hudson.....	"
Furman Richard P. 18 Hudson.....	"
Geggenheimer John, 722 N. 4th.....	"
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McKinley John, 214 New.....	"
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Owens John, 4649 Lancaster ave.....	West-Philadelphia
Pennypacker William G., S. 23d cor Washington ave.....	Philadelphia
Pflugfelder John F. 153 Fairmount ave.....	"
Reed Joseph, 784 & 848 Swanson.....	"
Roberts Henry L. 336 Market.....	"
Rumple Adam, 417 Diamond.....	"
Ryan Michael, 122 Pegg.....	"
Saam Conrad, 2242 Franklin.....	"
Scott George W. 301 Tasker, 623 Penn and 624 Swanson.....	"
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Spaeter Philip, 119 Thompson.....	"
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SPROLE WILLIAM, 508 Penn.....	"
Stewart Richard, 123 Washington ave.....	"
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Thomson George & Co. 127 S. Water.....	"
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Business Law.

1. Ignorance of the law excuses no one.
2. It is a fraud to conceal a fraud.
3. The law compels no one to do impossibilities.
4. An agreement without consideration is void.
5. Signatures made with a lead-pencil are good in law.
6. A receipt for money paid is not legally conclusive.
7. The acts of one partner bind all the others.
8. Contracts made on Sunday can not be enforced.
9. A contract made with a minor is void.
10. A contract made with a lunatic is void.
11. Contracts for advertisements in Sunday newspapers are invalid.
12. Principals are responsible for the acts of their agents.
13. Agents are responsible to their principals for errors.
14. Each individual in a partnership is responsible for the whole amount of the debts of the firm.
15. A note given by a minor is void.
16. Notes bear interest only when so stated.
17. It is not legally necessary to say on a note "for value received."
18. A note drawn on Sunday is void.
19. A note obtained by fraud, or from a person in a state of intoxication, can not be collected.
20. If a note be lost or stolen, it does not release the maker; he must pay it.
21. An indorser of a note is exempt from liability if not served with notice of its dishonor within twenty-four hours of its non-payment.

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Eight per cent.—Multiply by number of days, and divide by 45.

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Baltimore, Md., 12.02 P.M.	Panama, 11.50 A.M.
Bangor, Me., 12.33 P.M.	Paris, France, 5.17 P.M.
Bath, Me., 12.28 P.M.	Pensacola, Fla., 11.19 A.M.
Boston, Mass., 12.24 P.M.	Pekin, China, 12.54 A.M.
Cambridge, Mass., 12.29 P.M.	Philadelphia, Pa., 12.07 P.M.
Charleston, S. C., 11.43 A.M.	Portland, Me., 12.27 P.M.
Chicago, Ill., 11.17 A.M.	Portland, Or., 8.56 A.M.
Cleveland, O., 11.30 A.M.	Portsmouth, Va., 12.03 P.M.
Detroit, Mich., 11.36 A.M.	Providence, R. I., 12.22 P.M.
Galveston, Tex., 10.49 A.M.	Quebec, Ca., 12.23 P.M.
Halifax, N. S., 12.54 P.M.	Richmond, Va., 11.58 A.M.
Havana, Cuba, 11.38 A.M.	Rio de Janeiro, 2.15 P.M.
Key West, Fla., 11.41 A.M.	St. Johns, N. B., 12.44 P.M.
London, Eng., 5.08 P.M.	St. Johns, N. F., 1.37 P.M.
Mexico, 10.32 A.M.	St. Stephens, N. B., 12.39 P.M.
Milwaukee, Wis., 11.16 A.M.	San Francisco, 8.58 A.M.
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New-London, Ct., 12.20 P.M.	

Boston Wharves.—Continued from page 91.

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 Way's, 450 Federal
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 Week's (Eben), 1 Sumner, E. B.
 Whidden's dock, Sumner nr New
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*Marine Laws.—Continued.**Lights for Steamers not Ocean-going nor carrying sail.*

RULE FIVE. All steam-vessels other than ocean-going steamers and steamers carrying sail shall, when under way, carry, on the starboard and port sides, lights of the same character and construction, and in the same position as are prescribed for side-lights by Rule Three, except in the case provided in Rule Six.

Lights for Steamers on the Mississippi River.

RULE SIX. River steamers, navigating waters flowing into the Gulf of Mexico and their tributaries, shall carry the following lights—namely, One red light on the outboard side of the port smoke-pipe, and one green light on the outboard side of the starboard smoke-pipe. Such lights shall show both forward and abeam on their respective sides.

Lights for Coasting Steam-vessels, and Steam-vessels navigating bays, lakes, and rivers.

RULE SEVEN. All coasting steam-vessels and steam-vessels other than ferry-boats, and vessels otherwise expressly provided for, navigating the bays, lakes, rivers, or other inland waters of the United States, except those mentioned in Rule Six, shall carry the red and green lights, as prescribed for ocean-going steamers, and, in addition thereto, a central range of two white lights; the after light being carried at an elevation of at least fifteen feet above the light at the head of the vessel. The head light shall be so constructed as to show a good light through twenty points of the compass—namely, from right ahead to two points abaft the beam, on either side of the vessel, and the after light so as to show all around the horizon.

The Lights for Ferry-Boats

Shall be regulated by such rules as the Board of Supervising Inspectors for Steam-vessels shall prescribe. (See additional rules below.)

Lights for Sailing Vessels.

RULE EIGHT. Sail-vessels, under way or being towed, shall carry the same lights as steam-vessels under way, with the exception of the white, masthead light, which they shall never carry. (See Rule Three, b and c.)

Exceptional Lights for Small Sailing Vessels.

RULE NINE. Whenever, as in case of small vessels, during bad weather, the green and red lights can not be fixed, these lights shall be kept on deck, on their respective sides of the vessel, ready for instant exhibition, and shall, on the approach of or to other vessels, be exhibited on their respective sides in sufficient time to prevent collision, in such a manner as to make them most visible, and so that the green light shall not be seen on the port side, nor the red light on the starboard side. To make the use of these portable lights more certain and easy, they shall each be painted outside with the color of the light they respectively contain, and shall be provided with suitable screens.

Lights for Steam Vessels and Sailing Vessels at Anchor.

RULE TEN. All vessels, whether steam-vessels or sail-vessels, when at anchor in roadsteads or fairways, shall, between sunset and sunrise, exhibit where it can best be seen, but at a height not exceeding twenty feet above the hull, a white light in a globular lantern of eight inches in diameter, and so constructed as to show a clear, uniform, and unbroken light, visible all around the horizon, and at a distance of at least one mile.

Lights for Pilot Vessels.

RULE ELEVEN. Sailing pilot vessels shall not carry the lights required for other sailing vessels, but shall carry a white light at the masthead, visible all around the horizon, and shall also exhibit a flare-up light every fifteen minutes.

Lights for Coal Boats, Trading Boats, Rafts, and other like Water-craft.

RULE TWELVE. Coal-boats, trading-boats, produce-boats, canal-boats, oyster-boats, fishing-boats, rafts, or other water-craft, navigating any bay, harbor, or river, by hand-power, horse-power, sail, or by the current of the river, or which shall be anchored or moored in or near the channel or fairway of any bay, harbor, or river, shall carry one or more good white lights, which shall be placed in such manner as shall be prescribed by the Board of Supervising Inspectors of Steam-vessels.

Lights for Open Boats.

RULE THIRTEEN. Open boats shall not be required to carry the side lights required for other vessels, but shall, if they do not carry such lights, carry a lantern having a green slide on one side, and a red slide on the other side, and, on the approach of or to other vessels, such lantern shall be exhibited in sufficient time to prevent collision, and in such a manner that the green light shall not be seen on the port side, nor the red light on the starboard side. Open boats, when at anchor or stationary, shall exhibit a bright white light. They shall not, however, be prevented from using a flare-up, in addition, if considered expedient.

Lights on Vessels of the United States Navy.

RULE FOURTEEN. The exhibition of any light on board of a vessel-of-war of the United States may be suspended whenever, in the opinion of the Secretary of the Navy, the commander-in-chief of a squadron, or the commander of a vessel acting singly, the special character of the service may require.

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Culver William T. 5 N. Sharp.....	"
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Dawes Francis, Central al nr W. Fayette.....	"
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Evans Geo. & Co. 22 Patterson.....	"
Everist John M. 108 N. Holliday.....	"
Feller Charles, se cor Gough & Spring.....	"
Feller George, 131 S. Spring.....	"
Frederick Wm. C. 110 Franklin.....	"
Gardner & Rea, 36 Commerce.....	"
Glock John A. 135 S. Castle.....	"
Green Richard C. cor Patterson & Cable.....	"
Gruetter Fredk. L. Plum al nr Hamburg.....	"
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Ritterschofer Ernest, 935 W. Pratt.....	"
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Schmidt William, 16 Peach al.....	"
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Fentness & Robinson, Water nr Queen.	Portsmouth, Va
Stanworth Robert, Water cor Queen.	" "
Bell J. L. & Sons, r Post Office.	Charleston
Fishburn Timothy, Elliott.	"
Jones E. A. E. Bay nr Pinckney.	"
Ogden E. 128 E. Bay.	"
Hernandez Charles H. Indian nr Fahn.	Savannah
Kendy & McDowell, ft Bull.	"
Proctor & Clark, ft Bull.	"

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STAR COPPER PAINT, Gilman, Foque & Snow, Manufs	"
(see page), 63 & 65 Broad.	"
GLOUCESTER COPPER PAINT CO.	Gloucester, Mass
TARR & WONSON,	East-Gloucester, "
BROWN GEORGE W. (see front cover and page 230) 41	"
South.	New-York
GIFFING JOHN C. Tarr & Wonson's (see margin lines),	"
31 South.	"
STAR COPPER PAINT CO. George W. Brown, agt	"
(see front cover), 41 South.	"
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agt, 31 South.	"
WILLIAMS S. (see page 148) 181 South.	"
GRAHAM WILLIAM W. (see page 272) Palmer se cor	"
Allen.	Philadelphia
LAUGHLIN JOHN (see page 272), 18 N. Delaware ave	"
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Marine Laws.—Continued.

FOG-SIGNALS.

RULE FIFTEEN. Whenever there is a fog, or thick weather, whether by day or night, fog-signals shall be used, as follows :

(a.) Steam-vessels under way shall sound a steam-whistle placed before the funnel, not less than eight feet from the deck, at intervals of not more than one minute.

(b.) Sail-vessels under way shall sound a fog-horn at intervals of not more than five minutes.

(c.) Steam-vessels and sail-vessels when not under way shall sound a bell at intervals of not more than five minutes.

(d.) Coal-boats, trading-boats, produce-boats, canal-boats, oyster-boats, fishing-boats, rafts, or other water-craft, navigating any bay, harbor, or river, by hand-power, horse-power, sail, or by the current of the river, or anchored or moored in or near the channel or fairway of any bay, harbor, or river, and not in any port, shall sound a fog-horn or equivalent signal, which will make a sound equal to a steam-whistle, at intervals of not more than two minutes. (See additional rules below.)

STEERING AND SAILING RULES.

Sailing Vessels.

RULE SIXTEEN. If two sail-vessels are meeting end on, or nearly end on, so as to involve risk of collision, the helms of both shall be put to port, so that each may pass on the port side of the other.

RULE SEVENTEEN. When two sail-vessels are crossing so as to involve risk of collision, then, if they have the wind on different sides, the vessel with the wind on the port side shall keep out of the way of the vessel with the wind on the starboard side, except in the case in which the vessel with the wind on the port side is close-hauled and the other vessel free, in which case the latter vessel shall keep out of the way. But if they have the wind on the same side, or if one of them has the wind aft, the vessel which is to windward shall keep out of the way of the vessel which is to leeward.

Steam-Vessels meeting.

RULE EIGHTEEN. If two vessels under steam are meeting end on, or nearly end on, so as to involve risk of collision, the helms of both shall be put to port, so that each may pass on the port side of the other.

RULE NINETEEN. If two vessels under steam are crossing so as to involve risk of collision, the vessel which has the other on her own starboard side shall keep out of the way of the other.

Sail and Steam-Vessel meeting.

(See Additional Rules.)

RULE TWENTY. If two vessels, one of which is a sail-vessel and the other a steam-vessel, are proceeding in such directions as to involve risk of collision, the steam-vessel shall keep out of the way of the sail-vessel.

Steam-vessel approaching another Vessel, or in a Fog.

RULE TWENTY-ONE. Every steam-vessel, when approaching another vessel so as to involve risk of collision, shall slacken her speed, or, if necessary, stop and reverse ; and every steam-vessel shall, when in a fog, go at a moderate speed.

Vessel overtaking another.

RULE TWENTY-TWO. Every vessel overtaking another vessel shall keep out of the way of the last-mentioned vessel.

RULE TWENTY-THREE. Where, by Rules Seventeen, Nineteen, Twenty, and Twenty-two, one of two vessels shall keep out of the way, the other shall keep her course, subject to the qualifications of Rule Twenty-four.

SPECIAL INSTRUCTIONS.

RULE TWENTY-FOUR. In construing and obeying these rules, due regard must be had to all dangers of navigation, and to any special circumstances which may exist in any particular case, rendering a departure from them necessary in order to avoid immediate danger.

Sailing Vessels to be furnished with Signal Lights, and to show Torches.

(See Additional Rules.)

RULE TWENTY-FIVE. Collectors or other chief officers of the customs shall require all sail-vessels to be furnished with proper signal-lights, and every such vessel shall, on the approach of any steam-vessel during the night-time, show a lighted torch upon that point or quarter to which such steam-vessel shall be approaching.

ADDITIONAL RULES.

The following additional rules found in the proceedings of the Board of Supervising Inspectors of Steam-vessels and Decisions of the Treasury Department must be strictly observed :

Lights for Ferry-Boats.

The lights for ferry-boats with rudders on both ends shall be such as, in the opinion of the Supervising Inspector of the district in which the boats are running, are best adapted to the character of the navigation, and to the prevention of accidents by collision or otherwise.

Globe Lights.

A globe light may be used in place of the torch mentioned in Rule Twenty-five, when the use of such torch would be likely to endanger the safety of the vessel or cargo.

Coppersmiths.—Continued.

Beal Kendall & Co. 67 Merrimac.....	Boston
Bekkenhuis & Essman, W. Broadway cor Albany.....	"
BLAKE WILLIAM & CO. (see page B, front fly-leaves),	"
Allen cor Brighton.....	"
Dickey Adam, 101 Chelsea.....	"
Docker George & Son, 15 Bowker.....	"
Dudley Benjamin, 28 & 32 Harvard.....	"
Gay C. M. 66 Warren.....	"
Hallberg C. B. 367 Commercial.....	"
Hicks & Badger, 63 & 65 Pitts.....	"
Hunneman & Co. 26 Union.....	"
Loring A. B. & S. H. Tyler cor Harvard.....	"
Morse A. J. & Son, 138 & 140 Congress.....	"
Peterson A. 1726 Washington.....	"
Phillips Joseph, 128 Harrison ave.....	"
Puffer A. D. 48 Portland.....	"
Sharp David, 31 W. 1st.....	"
Strater H. & Son, 78 Sudbury.....	"
Stuart William J. & Co. 92 W. 2d.....	"
Taylor & Coltman, 84 Marginal.....	"
Tompkins Franklin, 47 Union.....	"
Vannevar E. B. & Co. 58 Fulton.....	"
Waters Eben, 8 Warren ave.....	"
Waters William & Son, 141 Sumner.....	East-Boston
Hayward L. H. 6 Chamber.....	Charlestown, Mass
Reed William G.....	Chelsea, Mass
Spade, William.....	South-Chelsea, "
Bush William R.....	Fall River, "
Wilson D. H. & Co. 163 Central.....	Lowell, "
Cragie Andrew.....	New-Bedford, "
Gifford & Allen.....	"
Waters A. S.....	Salem, "
Pierce & Bard, 7 Ferry.....	Norwich, Ct
Blake Thomas J.....	Hartford, "
Avery Thomas, 746 E. 9th.....	New-York
Brooks R. & Co. 125 Ave D.....	"
Bühler Frederick, 169 Christie.....	"
Burkhard Thomas & Co. 125 White.....	"
Calkin Hervey C. 436 E. 10th.....	"
Carpenter Allen, 103 N. Moore.....	"
Cashore Thomas, 254 South.....	"
Davis James J. 223 W. 42d.....	"
Donegan & Reilly, 74 & 229 West.....	"
Dunlay William B. 254 South.....	"
Gannon Thomas, 25 Old slip.....	"
Graves & Pier, 276 Water.....	"
Heynen John H. & Co. 246 Water.....	"

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Coppersmiths.—Continued.

Hilchen Gustav, 196 William.....	New-York
Jochum & Jetter, 148 E. 50th.....	"
Knowles Frederick C. 260 West.....	"
Leclerc John B. 137 Crosby.....	"
Lhote Victor, 118 S. 5th ave.....	"
Lightbody Colin, 152 Front.....	"
Marschall Gustavus, 206 E. 47th.....	"
Mills & Miller, 127 Ave D.....	"
Neumann John, 108 Elizabeth.....	"
Noonan & Martin, 54 Harrison.....	"
Orth William & Co. 181 Prince.....	"
Primout Napoleon P. 133 W. 19th.....	"
Redlow Amand, 96 Rivington.....	"
Roos August, 232 W. 27th.....	"
Schafhaus Jean, 645 E. 11th.....	"
Steeger Henry, 143 E. 31st.....	"
Stump George, 460 Greenwich.....	"
Trageser John, 447 to 453 W. 26th.....	"
Bartle & Morganstern, 831 N. 4th.....	Philadelphia
Bentley David & Sons, 254 N. 3d.....	"
Dettmer Charles, 207 Wood.....	"
Hammett Thomas M. 322 Vine.....	"
Henis William G. 118 N. 7th.....	"
Lippincott Charles & Co. 925 Filbert.....	"
Megee George & Sons, 307 Branch.....	"
Oat Joseph & Sons, 234 Quarry.....	"
Potter & Hoffman, 19 S. 4th.....	"
Spearing & O'Neil, 243 S. Front.....	"
Trottmann & Ott, 207 Buttonwood.....	"
Wagner Charles, 1012 S. 6th.....	"
Heisler, McBride & Co. 111 E. 2d.....	Wilmington, Del
Coulter J. A. ft Warren.....	South-Baltimore
Johnston David, 8 S. Frederick.....	Baltimore
ROBINS A. K. & CO. (see page 320) 23 York.....	South-Baltimore
Crow George L. 110 & 112 Water.....	Norfolk
HALL L. A. & CO. (see page 370) 146 Water.....	"
Boesch J. U. 16 State.....	Charleston
Bull Edmund, 132 E. Bay.....	"
Darby F. 452 King.....	"
Rook W. A. 180 E. Bay.....	"
THOMPSON GEORGE J. & CO. (see page 380) 227 E. Bay.....	"
McAleer Francis, 117 Broughton.....	Savannah
Nicolson John, 27 Dayton.....	"

Cordage and Rope.

(Manufacturers and Dealers.)

RYAN & KELSEY (see page 26), 161 Commercial...	Portland, Me
STEPHENSON A. B. (see page 36) Commercial bet	
Long & Central whvs.....	" "
Arkerson James, Western ave.....	Brighton, Boston
Arkerson Leonard.....	" "
FEARING, RODMAN & SWIFT (see inside back cover),	
23 & 25 Commercial.....	"
Gray G. Western ave.....	Brighton, "
Healy Walter, Ward cor Bumstead lane.....	"
HINGHAM CORDAGE CO. Whiton Bro. & Co. Agts. (see	
page 118) 31 & 33 Commercial.....	"
Lackey John, Western ave.....	Brighton, "
NEW-BEDFORD CORDAGE CO. Fearing, Rodman &	
Swift, Agts. (see inside back cover), 23 & 25 Commercial.	"
Nickerson Joseph & Co. 95 Commercial.....	"
Pearson Cordage Co. 4 Central whf.....	"
Plymouth Cordage Co. 5 Chatham row.....	"
Rogers John P. & Co. 62 & 64 India sq cor Atlantic ave.....	"
SEWALL, DAY & CO. (see page 122) 83 & 85 Commercial	"
Sproul C. Allston.....	Brighton, "
WHITON BRO. & CO. (see page 118) 31 & 33 Commercial	"
Briggs H. A. & Co.....	Pawtucket, R. I
Allin D.'s Sons, 136 Front.....	New-York
Cuming Thomas B. & Son, 106 Pearl.....	"
DEGRAUW, AYMAR & CO. (see page 226) 42 South.	"
Degroot & Peck, 130 Front.....	"
ELIZABETHPORT STEAM CORDAGE CO. (see page	
208) 46 South.....	"
Hart A. H. & Co. 90 White.....	"
Hayden Horace, 49 South.....	"
Korahrens Herman, 111 Murray.....	"
Lawrence Henry & Sons, 192 Front.....	"
Reid Alexander F. 25 Thomas.....	"
Symmers & Brundage, 13 Barclay.....	"
Travers J. P. & Son, 46 Beekman.....	"
TUCKER, CARTER & CO. 70 South.....	"
WALL WILLIAM'S SONS (see page 208), 113 Wall...	"
Waterbury Lawrence & Co. 136 Front.....	"
Bailey John T. & Co. 120 Chestnut and S. Front cor	
Tasker.....	Philadelphia
Banner Thomas, 117 Market and 3214 Frederick ave....	"
Barrows John, 3892 Germantown ave.....	"
Baumgardner, Woodward & Co. 38 S. Delaware ave....	"
Daunton & Co. 4117 Germantown ave.....	"
Dowdall Charles, 7 N. Front.....	"

Baltimore Copper Paint is equal to any in use.

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BUCKLEY & MERRITT,
156 South Street, New-York,
SHIP MACHINERY,
Pumps, Hose, Steerers,
Capstans, Windlasses, Winches, Ships' Main and Deck Pumps,
RUBBER, LEATHER AND SUCTION HOSE,
PIPES, COUPLING, WRENCHES, BELTING, PACKING, GASKETS, Etc.

Agents for RUMSEY & CO.'S Seneca Falls

"EAGLE" MAIN PUMP,

THE BEST IN USE.

SPECIAL ATTENTION GIVEN TO REPAIRING.

ECKFORD IRON WORKS.

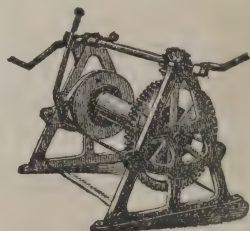
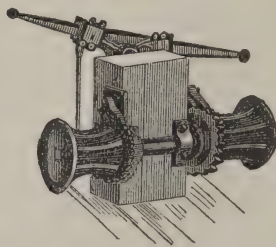
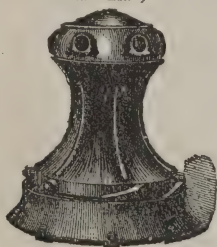
ESTABLISHED 1832.


WM. H. WELLS & CO.,
Ship Machinists and Iron Founders,

Nos. 108 & 110 CANNON STREET,

NEW-YORK.

WM. H. WELLS,
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Manufacturers of Gardner's Patent Round Top and Crank Power Capstans. Windlasses, Chain Lifters, Side Winches, Chain Stoppers, Cat Head Stoppers, Hoisting Winches, Etc., Etc. Also, constantly on hand Ships' Steering Wheels, Plain and Power Capstans of all sizes, Chocks, Cleats and Ship Work generally.  Send for Illustrated Catalogue. N. B.—Particular attention paid to Repairs.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

NEW-YORK AND SANDY HOOK PILOT OFFICES,

309 WATER STREET AND 40 BURLING SLIP, N. Y.

TABLE OF PILOTAGE,

AS ESTABLISHED BY

An Act of the Legislature of the State of New-York,
PASSED, MARCH 17, 1865.

FROM APRIL 1ST TO NOVEMBER 1ST.

FROM NOV. 1ST TO APRIL 1ST.
FOUR DOLLARS ADDITIONAL.

Feet and Inches.	INWARD.				OUTWARD.		Feet and Inches.	INWARD.				Feet and Inches.	OUTWARD.			
	Rate.	Pilotage.	Off Shore.	Total.	Rate.	Pilotage.		Pilotage.	Off Shore.	Total.	Rate.		Pilotage.			
6	\$3 70	\$22 20	\$5 55	\$27 75	\$2 70	\$16 20	6	\$26 20	\$5 55	\$31 75	\$20 20	6	\$26 20	\$5 55	\$31 75	\$20 20
6.6	3 70	24 05	6 01	30 06	2 70	17 55	6.6	28 05	6 01	34 06	21 55	6.6	28 05	6 01	34 06	21 55
7	3 70	25 90	6 48	32 38	2 70	18 90	7	29 90	6 48	36 38	22 90	7	29 90	6 48	36 38	22 90
7.6	3 70	27 75	6 94	34 69	2 70	20 25	7.6	31 75	6 94	38 69	24 25	7.6	31 75	6 94	38 69	24 25
8	3 70	29 60	7 40	37 00	2 70	21 60	8	33 60	7 40	41 00	25 60	8	33 60	7 40	41 00	25 60
8.6	3 70	31 45	7 86	39 31	2 70	22 95	8.6	35 45	7 86	43 31	26 95	8.6	35 45	7 86	43 31	26 95
9	3 70	33 30	8 33	41 63	3 70	24 30	9	37 30	8 33	45 63	28 30	9	37 30	8 33	45 63	28 30
9.6	3 70	35 15	8 79	43 94	2 70	25 65	9.6	39 15	8 79	47 94	29 65	9.6	39 15	8 79	47 94	29 65
10	3 70	37 00	9 25	46 25	2 70	27 00	10	41 00	9 25	50 25	31 00	10	41 00	9 25	50 25	31 00
10.6	3 70	38 85	9 71	48 56	2 70	28 35	10.6	42 85	9 71	52 56	32 35	10.6	42 85	9 71	52 56	32 35
11	3 70	40 70	10 17	50 87	2 70	29 70	11	44 70	10 17	54 87	33 70	11	44 70	10 17	54 87	33 70
11.6	3 70	42 55	10 64	53 19	2 70	31 05	11.6	46 55	10 64	57 19	35 05	11.6	46 55	10 64	57 19	35 05
12	3 70	44 40	11 10	55 50	2 70	32 40	12	48 40	11 10	59 50	36 40	12	48 40	11 10	59 50	36 40
12.6	3 70	46 25	11 56	57 81	2 70	33 75	12.6	50 25	11 56	61 81	37 75	12.6	50 25	11 56	61 81	37 75
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13.6	3 70	49 95	12 49	62 44	2 70	36 45	13.6	53 95	12 49	66 44	40 45	13.6	53 95	12 49	66 44	40 45
14	4 50	63 00	15 75	78 75	3 10	43 40	14	67 00	15 75	82 75	47 40	14	67 00	15 75	82 75	47 40
14.6	4 50	65 25	16 31	81 56	3 10	44 95	14.6	69 25	16 31	85 56	48 95	14.6	69 25	16 31	85 56	48 95
15	4 50	67 50	16 87	84 37	3 10	46 50	15	71 50	16 87	88 37	50 50	15	71 50	16 87	88 37	50 50
15.6	4 50	69 75	17 43	87 18	3 10	48 05	15.6	73 75	17 43	91 18	52 05	15.6	73 75	17 43	91 18	52 05
16	4 50	72 00	18 00	90 00	3 10	49 60	16	76 00	18 00	94 00	53 60	16	76 00	18 00	94 00	53 60
16.6	4 50	74 25	18 56	92 81	3 10	51 15	16.6	78 25	18 56	96 81	55 15	16.6	78 25	18 56	96 81	55 15
17	4 50	76 50	19 12	95 62	3 10	52 70	17	80 50	19 12	99 62	56 70	17	80 50	19 12	99 62	56 70
17.6	4 50	78 75	19 69	98 44	3 10	54 25	17.6	82 75	19 69	102 44	58 25	17.6	82 75	19 69	102 44	58 25
18	5 50	99 00	24 75	123 75	4 10	73 80	18	103 00	24 75	127 75	77 80	18	103 00	24 75	127 75	77 80
18.6	5 50	101 75	25 44	127 19	4 10	75 85	18.6	105 75	25 44	131 19	79 85	18.6	105 75	25 44	131 19	79 85
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21.6	6 50	139 75	34 94	174 69	4 75	102 12	21.6	143 75	34 94	178 69	106 12	21.6	143 75	34 94	178 69	106 12
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22.6	6 50	146 25	36 56	182 81	4 75	106 87	22.6	150 25	36 56	186 81	110 87	22.6	150 25	36 56	186 81	110 87
23	6 50	149 50	37 37	186 87	4 75	109 25	23	153 50	37 37	190 87	113 25	23	153 50	37 37	190 87	113 25
23.6	6 50	152 75	38 19	190 94	4 75	111 62	23.6	156 75	38 19	194 94	115 62	23.6	156 75	38 19	194 94	115 62
24	6 50	156 00	39 00	195 00	4 75	114 00	24	160 00	39 00	199 00	118 00	24	160 00	39 00	199 00	118 00
24.6	6 50	159 25	39 81	199 06	4 75	116 37	24.6	163 25	39 81	203 06	120 37	24.6	163 25	39 81	203 06	120 37
25	6 50	162 50	40 62	203 12	4 75	118 75	25	166 50	40 62	207 12	122 75	25	166 50	40 62	207 12	122 75

Transportation, North to East River, and vice versa, \$5.

Hauling to or from wharf, \$3.

Detention, \$3 per day.

Continued on page 143.

Tarr & Wonson's Patent Copper Paints. John C.
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New-Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tonnage Dues and Regulations

FOR

FOREIGN AND SPANISH SHIPPING IN THE ISLAND OF CUBA.

	<i>Gold.</i>
1st. Foreign vessels arriving and clearing with cargo will pay for every ton they measure.....	\$1 35
Spanish vessels " " " "	1 35
2d. Foreign vessels arriving with cargo and clearing in ballast.....	1 30
Spanish vessels " " " "	1 30
3d. Foreign vessels arriving in ballast and clearing with cargo.....	1 00
Spanish vessels " " " "	1 00
4th. Foreign vessels with coal equal to or exceeding the number of tons of their register measurement, even if they also bring other goods.....	..
Spanish vessels, ditto.....	..
Foreign vessels bringing coal only, but in less quantity than their register tonnage, will pay for every ton occupied by coal.....	..
And for every ton not so occupied.....	62
Spanish vessels in similar circumstances.....	..
And for every ton not so occupied.....	62
Foreign vessels importing coals in less quantity than their register tonnage, and bringing other cargo besides, will pay for every ton occupied by coal.....	73
And for every other ton.....	1 35
5th. Foreign vessels arriving in ballast and clearing with a full cargo of molasses.....	37
Spanish vessels " " " "	37
6th. Foreign vessels arriving in ballast and clearing with produce or other cargo.....	1 00
And for every ton empty or in ballast.....	5
Spanish vessels in like circumstances.....	1 00
And for every ton empty or in ballast.....	5
7th. Foreign vessels arriving and clearing in ballast.....	5
Foreign vessels putting in for orders, or in distress.....	5
Spanish vessels " " " "	5
8th. Steamers of every flag and from any port, which make periodical voyages to ports in Cuba, will be free from tonnage dues if they do not import or export over six tons of cargo, and they will be dispatched with all preference when they carry mails.....	..
9th. Foreign steamers of the above description, importing or exporting over six tons of cargo, will pay for each ton.....	62½
Spanish steamers, ditto.....	62½
10th. When steamers which are not comprised in Arts. 8 and 9 enter the ports of the Island, they will pay the same dues as other vessels, after deducting engine and bunker space from their total tonnage	..
11th. Vessels bringing a full cargo of coals, taking away any kind of merchandise, pay.....	..

VESSELS PAYING THE SAME TONNAGE DUTY AS THE SPANISH.

<i>Nationality.</i>	<i>Dates.</i>
French.....	since the 28th September, 1868.
German.....	" 28th " 1868.
Dutch.....	" 28th " 1868.
Swedish and Norwegian.....	" 18th March, 1869.
British.....	" 28th " 1869.
American.....	" 15th May, 1869.
Belgian.....	" 21st October, 1869.
Austrian.....	" 10th November, 1869.
Russian.....	" 13th September, 1872.

STEVEDORES' CHARGES.

	<i>Gold or its equivalent.</i>
Discharging, one day's labor, without food.....	\$3 50
" " " with food.....	3 00
Half a day's work, with food.....	3 00
" " without food.....	1 75
It is further understood that from 6 A.M. until 11 A.M. is half a day, and from sunrise to sunset one day.	
Sundays and holidays and for night labor, without being fed.....	6 50
" " " " fed.....	6 00

Cordage and Rope.—Continued.

Finley & Schlichter, 23 N. Front.....	Philadelphia
Fittler Edwin H. & Co. 23 N. Water and 22 N. Delaware ave.....	"
Fogg George R. 3408 Germantown ave.....	"
Frecke John E. 8 S. 5th.....	"
Freed Wesley C. 3904 Germantown ave.....	"
Fricke Michael W. 3212 Germantown ave.....	"
Gaffney Philip, N. Water cor Callowhill.....	"
Green John, 1228 N. 2d.....	"
Haas George W. 631 Washington ave.....	"
Hoog William, 2005 N. 7th.....	"
LAUGHLIN JOHN (see page 272), 18 N. Delaware ave.....	"
Mansley Edward, 2300 Columbia ave.....	"
Moore C. 12 S. 5th.....	"
O'Hare Owen, 16 Callowhill.....	"
Tanier William, 935 S. 9th.....	"
WILLIAMS RICHARD B. (see page 256) 46 & 48 N. Delaware ave.....	"
BAILEY E. & CO. (see page 356) 107 Thames.....	Baltimore
Carroll Charles S. Hartford ave nr Townsend.....	"
Carroll John B. Hartford ave cor John.....	"
Carroll John W. 543 Light.....	"
Durand John H. & Son, 132 W. Pratt.....	"
Henderson John & CO. Pratt cor Commerce.....	"
Johnson Bros. 250 N. Gay.....	"
Knorr Edward W. Point lane cor Aisquith.....	"

*** Cots.**

(See also Furniture.)

GRATACAP P. A. (see page 242) 35 Fulton.....	New-York
HOWE SPRING-BED CO. (see page 242) 173 Canal...	"

Cotton Presses.

Monumental Cotton Press Co. Union dock.....	Baltimore
Virginia, Peter's & Reed's whf.....	Norfolk
Champion, Church cor Cumberland.....	Charleston
Charleston Hydraulic, 67 & 69 Church.....	"
Central Hydraulic, River bet Lincoln & Price.....	Savannah
Lamar, ft Bay.....	"
Lower Hydraulic, Eastern whvs.....	"
Tyler, Eastern whvs.....	"
Upper Hydraulic, ft W. Broad.....	"

Cotton Waste.

ASHWORTH & COATES (see page 306), 152, 154 & 156 N. Front.....	Philadelphia
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Baltimore Copper Paint is unsurpassed.

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PAUL C. COFFIN & CO.,

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Corner Jay,

NEW-YORK.

Hardware, Cutlery and Tools,

FOR BUILDERS' AND SHIP USE.

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Brass and Galvanized Ship Chandlery and Sail Makers' Goods.

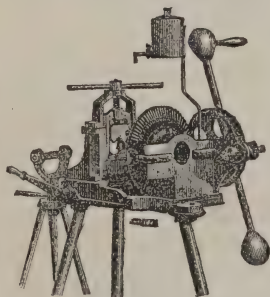
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Fire and Dock Hydrants and Valves, Keystone Forges.

GREAT LABOR-SAVING TOOL.

CHASE'S

Portable Pipe-Cutting AND Threading Machine



W. D. CHASE'S PATENT.

This important Tool is designed to fill a want long felt by

Steam and Gas Fitters and Machinists,

for cutting and threading pipes rapidly and cheaply. An *apprentice boy*, with one of these can do more work than *two men* with old appliances, under the old system. *No pipe splitting! No bevel inside or out!* It cuts threads and makes nipples for all sizes of pipes, from $\frac{1}{4}$ to 2 inches. Weighs only 100 lbs. Stronger than any machine made. A full set of collars and lengths for making nipples goes with machine. Send for Circular. Address,

The Chase Manufacturing Co., 120 Front Street, New-York.

For Sale by { MORRIS, TASKER & CO., Philadelphia, New-York and Boston.
{ BRITTAN, HOLBROOK & CO., San Francisco.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

NAMES AND NUMBERS OF BOATS.

No. 1. Hope.	No. 9. Pet.	No. 17. Fannie.
" 2. Edmund Blunt.	" 10. Widgeon.	" 18. Enchantress.
" 3. Chas. H. Marshall.	" 11. Phantom.	" 19. Mary A. Williams.
" 4. Abram Leggett.	" 12. Ariel Patterson.	" 20. M. H. Grinnell.
" 5. Charlotte Webb.	" 13. Francis Perkins.	" 21. W. H. Aspinwall.
" 6. Mary & Catharine.	" 14. E. F. Williams.	" 22. Washington.
" 7. Edmund Driggs.	" 15. Caprice.	
" 8. Isaac Webb.	" 16. Christian Bergh.	

PILOTAGE FOR TAKING VESSELS FROM UPPER TO LOWER QUARANTINE.

For vessels having had death or sickness on board, double outward pilotage.
For vessels from sickly ports, but having had no sickness on board, single outward pilotage.

Pilotage of vessels from New-Quarantine to New-York, one-half inward pilotage.
" " " " Lower to Upper Quarantine, quarter pilotage.
" " " " Lower Quarantine to New-York, quarter pilotage.

COMMISSIONERS.

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AMBROSE SNOW.

Appointed by the Chamber of Commerce.

WM. C. THOMPSON, *Appointed by the Board of Underwriters.*

G. W. BLUNT, *Secretary.*

Office, No. 40 Burling Slip.

SEC. 29. Any person not holding a license as Pilot under this Act, or under the laws of the State of New-Jersey, who shall pilot, or offer to pilot any ship or vessel to or from the Port of New-York by way of Sandy Hook, shall be deemed guilty of a misdemeanor, and, on conviction, shall be punished by a fine not exceeding one hundred dollars, or imprisonment not exceeding sixty days; and all persons employing a person to act as Pilot, not holding a license under this Act, or under the laws of the State of New-Jersey, shall forfeit and pay to the Board of Commissioners of Pilots the sum of one hundred dollars.

DISTANCES IN NEW-YORK HARBOR.

MID-CHANNEL WAY.—From Battery, south point bearing east, to mid channel opposite Old Quarantine,

Nearly.....	4	Nautical miles.
Coney Island, bearing east.....	4	" "
South-west Spit.....	6	" "
Sandy Hook Light-house, bearing South.....	2½	" "
Buoy 2, Gedney's Channel.....	3	" "
Total.....	19½	" "

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

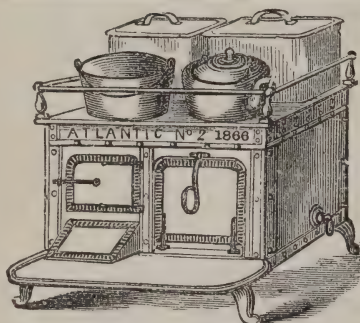
J. SNELLING & CO.,

158 South Street, New-York,

SHIP, STEAMBOAT, AND YACHT FIXTURES,

*Ship Pumps, Capstans, Windlasses, Steering Apparatus,
Hoisting Winches, Jack-Screws, Ship Castings, and
all Modern Improvements.*

**Blacksmith, Machine, and Pattern Shops on the Premises.
REPAIRING A SPECIALTY.**



G. G. HALLETT,

**ATLANTIC and SARGENT
CABOOSES**

AND
CABIN STOVES.

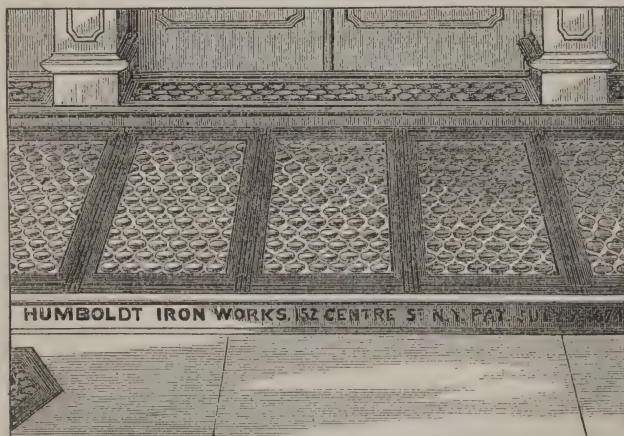
Repairs promptly attended to.
231 & 233 Water Street,
NEW-YORK.

PATENT LOCK GLASS TILE,

(Patented July 7, 1874.)

HUMBOLDT IRON WORKS,

152 CENTRE STREET.



FOR
VAULT,
PLATFORM,
AREA,
AND
SKY-LIGHTS
Illuminated
Corrugated Roofs,
Etc.

THESE LIGHTS ARE ESPECIALLY ADAPTED FOR SHIP LIGHTS.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Cuspadores.

(*Manufacturers.*)

CONNOLLY JOHN P. (see page 252) 278 Pearl.....New-York

*** Deck Canvas, Cotton.**

BRINCKERHOFF, TURNER & CO. (see page 166) 109
Duane.....New-York

Deck Lights.

HUMBOLDT IRON WORKS (see page 144), 152 Centre..New-York

*** Deck Plank.**

(*See also Lumber Dealers.*)

RICHARDSON C. H. & L. S. 168 Border.....East-Boston

Deck Plugs.

TIEBOUT W. & J. 290 Pearl.....New-York

*** Deap Sea Leads.**

MERRY JOHN & CO. (see page 204) 46 Cliff.....New-York
WHITFIELD JAMES M. & SON, 262 Water.....“

Dictionaries.

WEBSTER'S UNABRIDGED (see page 52), G. & C.
Merriam.....Springfield, Mass

*** Divers, Submarine.**

BIRD & HIGGINS (see page 122), 5 Pearl pl, and 240
Princeton.....East-Boston

Dock Builders.

(*See also Wharf and Sea Wall Builders.*)

DU BOIS HENRY & SONS (see page 196), 119 South...New-York
Jenks Stephen A. & Co. 157 South.....“
KELLY BERNARD & SON, 217 West.....“
Richardson Thomas P. 75 South.....“
Vanaken Dederick, 38 Desbrosses.....“
Vanaken William P. 38 Desbrosses.....“
Walsh T. & A. 77 South.....“
Westervelt Aaron J. 95 Liberty.....“

Dredging Companies.

New-England Dredging Co. C. H. Southers treas, 1 Pember-
ton sq.....Boston
Souther George & Co. 671 Dorchester ave.....“
Souther John & Co. A cor Richards.....“

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Charges for Stowing.

Gold or its equivalent.

One box of sugar, hoisting and stowing.....	\$0 15
For stowing only.....	9
For each pipe, hogshead, or tierce, hoisting and stowing.....	1 00
For stowing only.....	60
For each bag, barrel, or bale of tobacco, hoisting and stowing.....	8
Stowing only.....	5
For each box, 1 to 3 mille cigars, hoisting and stowing.....	25
Stowing only.....	17
Box of 3 to 6 m. cigars, hoisting.....	30
Box of 3 to 6 m. and upwards, stowing.....	45
Wax package, hoisting and stowing.....	8
Wax package, hoisting.....	5

Weights.

Tin of sardines.....	$\frac{1}{2}$ kilos.
Case of 9 gallons petroleum.....	30 "
Barrel of flour.....	98 "
" potatoes.....	69 "
" apples.....	56 "
" pears.....	56 "
Box of herrings.....	34 "
Barrel of rosin.....	92 "
Ream of paper.....	4 $\frac{57}{100}$ "
Barrel of beans.....	101 "
" onions.....	60 "
46 kilos.....	100 lbs.

Persons wishing to communicate with any vessels at the Island of Cuba, can do so by addressing Ely & Sauvalle, either by telegram or letter.

MEMORANDUM.—Vessels will carry 6 boxes of sugar for each ton *American* register, and from $1\frac{1}{2}$ to $1\frac{3}{4}$ hogsheads of sugar; or 1 hogshead of sugar to every 4 boxes.

Ballast.

Dirt.....	\$1.25 gold, to \$1.50
Stone.....	2.50 " to 3.00

Towage.

Tariff of charges for the towage of vessels from one part of the harbor to another, or from one mile outside the Morro Castle to their anchorage in the harbor, or *vice versa*.

<i>Towage of Vessels from or to outside the Morro.</i>	<i>From one place in the harbor to another.</i>
100 to 200 tons.....	\$17 00
200 to 350 tons.....	25 50
350 to 400 tons.....	34 00
400 to 550 tons.....	42 50
550 to 600 tons.....	51 00
600 to 700 tons.....	59 50
	12 75
	15 00
	17 00
	20 00

Bank.

Lighterage.

Vessels loading for Europe are the only ones to pay lighterage,

Per box of sugar.....	12 $\frac{1}{2}$ cts.	Per bale of tobacco.....	8 cts.
" hhd. of sugar.....	60 "	" pipe of rum.....	40 "
" molasses.....	50 "	" empty hhds.....	20 "
" tierce of sugar.....	30 "	" tierces.....	15 "
" molasses.....	25 "	" box shooks.....	3 "
" box of cigars.....	35 "	" hhd. shooks.....	6 "

NOTICE.—Gold, or equivalent at the rate of gold, on the day of its payment.

Dredging Companies.—Continued.

Woolley Chas. & Co. Condor opp Putnam, office 92 Commercial. Boston
 Providence Dredging Co. Thomas J. Hill, treas, 492 Eddy,
 Providence, R. I
 DU BOIS HENRY & SONS (see page 196), 119 South....New-York
 Morris & Cumings Dredging Co. 45 Duane..... "
 AMERICAN DREDGING CO. 10 S. Delaware ave.... Philadelphia
 Teemeyer J. H. & Co. 5 Post Office ave..... Baltimore

*** Drills.**

THE WESTBROOK MANUF'G CO. (see page 30) 10 Cen-
 tral whf.....Portland
 BRINCKERHOFF, TURNER & CO. (see page 166),
 109 Duane.....New-York

Dry Docks and Marine Railways.

Dyer D. W. & Son.....Belfast, Me
 McGilvery William & Co.....Brewer, "
 Hinds William.....Calais, "
 Nickerson & Rideout..... "
 Portland & Cape Elizabeth Marine R. R. Co. Ferry Village,
 Cape Elizabeth, "
 Huston C. S.....Eastport, "
 North Marine Railway Co.....Rockland, "
 Snow, Farwell & Co..... "
 East-Boston Dry Dock Co. A. H. White treas, 13 Doane.....Boston
 Erie Basin Dry Dock Co. W. C. Hieborn, treas, 13 Doane.... "
 Fort Hill Dry Dock, B. F. Groton, 454 Atlantic ave..... "
 KELLY D. D. Sumner cor N. Ferry ave.....East-Boston
 Pioneer Dry Dock, A. Story & Son, 396 Atlantic ave.....Boston
 THE SIMPSON PATENT DRY DOCK CORPORATION
 (see page 60), office 223 Commercial..... "
 Terry J. C. office Rodman's whf.....Fall River, Mass
 HOWLAND JOHN W. (see page) City whf..New-Bedford, "
 Stanton Walter B.....Bristol, R. I
 Cottrell Silas H. & Co.....Newport, "
 Providence Marine Railway Co.....East-Providence, "
 Rew & Walker.....Bridgeport, Ct
 Ferns Roswell.....Greenwich, "
 Hartford Dry Dock Co.....Hartford, "
 Gregory's Point Marine Railway Co.....S. Norwalk, "
 Sheffield Stanton.....Stonington, "
 Burtis Devine jr. 39 South.....New-York
 ERIE BASIN DRY DOCK CO. office 5 Bowling Green.. "
 NEW-YORK BALANCE, James B. Nicholson agt, 241
 South cor Pike..... "
 New-York Floating Dry Dock Co. 254 South..... "
 O'Connell P. J. & Co. 43 South..... "

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Caboose and Galley Outfits.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

E. W. BARSTOW & SON,

83 MAIDEN LANE, NEW-YORK,

Manufacturers of Anchors, Copper and Iron Nails and Tacks,

AGENTS FOR

Bridgewater Yellow Metal Sheathing, Yellow Metal Bolts,
Composition and Yellow Metal Nails and Spikes,
Sheathing, Braziers' and Bolt Copper.

Sole Agents for MUNTZ'S METAL CO., (Limited.)

IMPORTERS AND DEALERS IN

Admiralty Proof, B.B. Crane and B.B.B. Crown Chains; also, American Chains, Ingot
Copper, Pig Tin, Spelter, Seamless and other Tubes, Cotton and Flax
Canvas, Sheathing and Roofing Felts, Portland Cement.

AGENTS FOR TREMONT NAIL CO.'S CUT NAILS AND SPIKES.

ESTABLISHED 1860.



TWO
BEST ARTICLES
IN THE
MARKET.

1000 Testimonials
AT OFFICE.



No Humbug; no Shave. Satisfaction guaranteed, or no sale.

WILLIAMS' METALLIC COMPOUND,

Or Copper Paint for Wooden Vessels' Bottoms.

A sure protection against the Marine Worm, Barnacles, and
Grass. Captains and Owners will find it to their advantage
to use this Paint.

AND

Williams' Patent Submarine Compound

A Sure Protection against Corrosion and Foulness,
for Iron Vessels' Bottoms.

Also, a Cement for Butts and Rivet-Heads.

S. WILLIAMS,

INVENTOR and SOLE MANUFACTURER,

181 SOUTH STREET,

NEW-YORK.



(Bet. Roosevelt St. and James Slip.)

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

OCEAN STEAMER NIGHT SIGNALS.

- ALLAN LINE—Blue, white, and red rockets, in succession.
 ANCHOR LINE—Red and white lights alternately.
 BAL TIC LLOYD LINE—Red light forward, two rockets at same time, and red light aft.
 BLACK STAR LINE—Two white Coston signals in succession.
 BREMEN LINE—Blue light forward and aft, and two rockets simultaneously.
 CARDIFF LINE—One red light and one red rocket, both shown from aft at the same time.
 CLYDE'S LINE (to Havana and Charleston)—A red Coston signal.
 CROMWELL'S NEW-ORLEANS LINE—White, green, red-white Coston signals.
 CUNARD LINE—Two rockets and blue lights simultaneously.
 GARRISON'S LINE (from New-York to Brazil and Savannah)—White-red Coston signal.
 GUION LINE—Blue lights forward, aft, and on bridge, simultaneously.
 HAMBURG-AMERICAN LINE—Fire-ball, rocket, and fire-ball, in succession.
 INMAN LINE—Blue light forward and aft, red light on bridge, and variegated rocket.
 JOHN BIBBY, SON & CO.—One red light and one rocket, simultaneously.
 LAMPORT & HOLT—One red rocket, one white, and one red, in succession.
 MORGAN'S LINE (to Charleston)—A red-green Coston signal.
 NATIONAL LINE—Blue light, rocket, and red light, in succession.
 NEW-YORK AND HAVRE LINE—Rocket, blue light, and rocket in succession.
 NEW-YORK YACHT CLUB—White, green-red Coston signal.
 NORTH GERMAN LLOYD LINE—Rocket forward, blue and red light amidships.
 OLD DOMINION STEAMSHIP COMPANY—Red-white Coston signal.
 PACIFIC COMPANY'S STRAITS' STEAMERS—Red light, two rockets, and blue light, in succession. Firing a gun signifies a wish to communicate.
 PACIFIC MAIL LINE—Green, red-white Coston signal
 PHILADELPHIA AND LIVERPOOL LINE—One rocket, followed in quick succession by first a red light, then a white light, and then a blue light.
 PHILADELPHIA AND SOUTHERN MAIL STEAMSHIP Co.—Green-red Coston signal.
 ROYAL MAIL COMPANY'S STEAMERS—Rocket and blue light, simultaneously. Firing a gun and dipping masthead-light signifies a wish to communicate.
 SAVANNAH LINE (Murray, Ferris & Co.)—Red, white, red, white-red Coston signal.
 STATE LINE—Red light, rocket, and two blue lights, one forward and one aft.
 TRANSATLANTIQUE LINE—Two rockets forward, one gun, and two rockets aft.
 WHITE STAR LINE—Green light, rocket throwing two green stars, and green light, in succession.

DESIGNATING MARKS OF OCEAN STEAMERS.

The following funnel-marks of the ocean lines will be found useful in distinguishing passing steamers in the day-time :

- Anchor Line—Black.
 Bremen Line—Black.
 Cunard Line—Red, with black top.
 French Line—Red, with black top. All of these vessels have a "wind-fly" at each royal-masthead.
 Hamburg Line—Black.
 Inman Line—The lower two thirds black, a white band, and black top.
 National Line—White, with black top.
 White Star Line (O. S. Nav. Co.)—Yellow, with black top.
 Stettin-American Line—White, with narrow black top.
 Guion Line—Lower two thirds black, a red band, and black top.
 State Line—Lower two thirds buff or yellow, a red band and black top.
 Eagle Line—Black, with black, white, and red bands.

Baltimore Copper Paint is perfectly pure.

T. F. ROWLAND, CONTINENTAL WORKS,

GREENPOINT, BROOKLYN,

WROUGHT AND CAST IRON CONSTRUCTIONS,
IRON AND COMPOSITE VESSELS,

Steamers of every description Fitted ready for Service.

Iron Ships, Revolving Turrets, Armor Plates, Gun Carriages,
Buildings, Bridges, Viaducts, Roofs, Trusses, Girders, Columns, Flooring, Shutters,
Gas Holders, Gas Holder Tanks, Gas Holder Frames,
Gas Retorts, Purifiers, Condensers, Exhausters, Governors, Stop Valves,
Still and Tanks, Boilers and Engines, Pumps and Blowers,
Marine Railways.

Particular attention given to the construction of Iron Buildings, Railway Bridges,
Gas Work Plant, etc.

Lebby & Duc Patent Centrifugal Pump for Wrecking purposes.

JOHN J. HAYES, Engineer and Machinist,

COR. OF KENT AND WEST STREETS,

One block from 10th and 23d St. Ferries,

GREENPOINT, N. Y.

JOBGING PROMPTLY ATTENDED TO.

Second-hand Machinery Bought, Sold, and Exchanged.

WARREN BOILER WORKS,

PHILLIPSBURG, N. J.

MARINE AND LAND STEAM BOILERS,

Tanks, Stacks and Plate Iron Work of all kinds

MADE TO ORDER.

Estimates given on Contract Work for Ship Builders, Furnaces, Factories and Mills.

ADDRESS,

TIPPETT & WOOD,
PHILLIPSBURG, N. J.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Dry Docks and Marine Railways.—Continued.

People's Floating Dry Dock Co. Pier 52 E. R.....	New-York
Screw Dock Co. Pier 39 E. R.....	"
Sectional Dock Co. Pier 42 E. R.....	"
Shewan & Palmer, Pier 52 E. R.....	"
WOOD, DIALOGUE & CO. (see inside front cover)	
	Camden & Philadelphia
Abrahams J. J. & Sons, Philpot & Thames.....	Baltimore
Beacham J. S. & Bro. Covington ft Warren.....	"
Canton Marine Railway, Atlantic whf ft Bennett.....	"
Carroll John R. side basin nr City Yard.....	"
CHESAPEAKE MARINE RAILWAY & DRY DOCK	
CO. (see page 324) ft Philpot.....	"
Skinner William & Sons, ft Cross.....	"
Tumblinson W. R. ft Montgomery.....	"
Woodall William E. & Co. 46 Covington.....	"
ELLIS JOSEPH A. (see page 370) Water.....	Norfolk
GRAVES WILLIAM A. (see page 378) 211 to 219 Water....	"
MARSH JAMES G. & D. C. (see page 388).....	Charleston

Druggists, Ship.

(See also *Medicine Chests.*)

WILSON WILLIAM M. & CO. (see page 292) 206 & 208 Market.....	Philadelphia
STILTZ GEORGE R. (see page 348) Broadway nw cor Thames.....	Baltimore

Duck Manufacturers.

(*Cotton Sail.*)

STEPHENSON A. B. (see page 34) Commercial bet Long & Central whf.....	Portland, Me
THE WESTBROOK MANUF'G CO. (see page 30) 10 Central whf.....	" "
Boynton N. & Co. 87 & 89 Commercial.....	Boston
FEARING, RODMAN & SWIFT (see inside back cover), 23 & 25 Commercial.....	"
Fitchburg Duck Mills, George Blackburn & Co. 63 Chauncy..	"
LAWRENCE DUCK CO. FEARING, RODMAN & SWIFT, agts. (see inside back cover), 25 Commercial.	"
Nickerson J. & Co. 95 Commercial.....	"
OLD COLONY DUCK CO. Fearing, Rodman & Swift agts.. (see inside back cover), 25 Commercial.....	"
WHITON BRO & CO. (see page 118) 33 Commercial.....	"
Corliss Benjamin H.....	Gloucester, Mass
Lawrence Duck Co.....	Lawrence, "
Plymouth Woolen and Cotton Co.....	Plymouth, "
Russell Mills.....	" "

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Small, 60 W. Pratt St., Balto.

Port Charges, West Indies.—Continued.

Disbursement Account of American bark, 399 tons American register (31.955 tons Spanish measurement), bound from New-York with general cargo for Havana.

Inward.

	Bank-notes.
Inward pilotage, \$20, gold at 90 per cent premium.....	\$38 00
Inward steam towage, 399 tons register.....	34 00
Interpreter's fee, \$2, gold at 90 per cent premium.....	3 80
Custom House entry and petty expenses.....	12 75
Pilotage from harbor to wharf, \$10, gold at 90 per cent premium.....	19 00
Steam-tug from harbor to wharf.....	12 75
Laborers, for discharging.....	15 00
Receiving and delivering cargo.....	37 50
Cooperage bill.....	12 50
Stage hired.....	17 00
Pilotage from wharf to stream, \$10, gold at 90 per cent premium.....	19 00
Steam-tug from wharf to stream.....	12 75
Tonnage dues, 315.95 tons, at \$1.35 gold, \$423.55; gold at 90 per cent premium.....	814 25
Certificate of measurement.....	2 75
Boat hired for measuring vessel.....	2 15
Government tax for measuring the vessel.....	15 00
Two and a half per cent commission on \$1058.20.....	26 45
One per cent contribution.....	10 58
Two and a half per cent commission on \$4000, amount of inward freight..	160 00
One per cent contribution.....	40 00
Amount in Spanish bank-bills.....	\$1235 23

Outward.

Pro forma disbursement account of above-mentioned vessel, bound to New-York with a full cargo of 2200 boxes of sugar.

Stevodore's bill, 2200 boxes at 6 cts. gold, \$132; gold at 90 per cent premium.....	\$250 80
Consul's fees, gold, \$10.75, at 90 per cent premium.....	20 45
Custom House clearance.....	25 50
Petty expenses.....	6 50
Outward pilotage, \$10, gold at 90 per cent premium.....	19 00
Outward steam-tug.....	20 50
	\$347 75
Two and a half per cent commission on \$347.75.....	\$8 70
One per cent Government tax.....	3 47
	\$12 17
Five per cent commission on \$3300, outward freight.....	\$165 00
One per cent Government tax.....	33 00
	\$198 00
Amount in Spanish bank-bills.....	\$557 92

Stamps on Charterparty.

From \$250 to \$500.....	\$1 00
" 500 to 1000.....	2 00
" 1000 to 2000.....	4 00
" 2000 to 3750.....	7 50
" 3750 to 6250.....	12 50
" 6250 to 9350.....	17 50
" 9350 to	25 00

Duck Manufacturers.—Continued.

Annisquam Mills, G. P. Whitman agt.....	Rockport, Mass
BRINCKERHOFF, TURNER & CO. (see page 166)	
109 Duane.....	New-York
Degroot & Peck, 130 Front.....	"
Frothingham, Baylis & Co. 80 South.....	"
Morris Richard, 194 Water.....	"
Everman John W. 103 Church.....	Philadelphia
Alberton Cotton Mills, 24 German.....	Baltimore
Clipper Mills, 2 $\frac{1}{4}$ miles N. C. Railroad.....	"
Gambrill, Sons & Co. (Druid Mills) 41 W. Lombard.....	"
Hooper William E. & Sons, Pratt cor South.....	"
Mount Vernon Co. office Lombard cor Franklin lane.....	"

*** Elastic Riding Stoppers.**

Coffin & Woodward (see page 54), 224 State.....	Boston
---	--------

Elevators, Grain.

Baltimore & Ohio Elevator.....	Locust Point, Baltimore
Northern Central Elevators, opp 22 Boston.....	Canton
Union Railroad Elevator, office 5 Post Office ave.....	Baltimore

Elevators, Warehouse.

GORDON BROS. (see page 158) 136 S. 5th ave.....	New-York
---	----------

Engine Builders, Marine.

MOULTON GEORGE & SON (see page 18), Commercial.....	Bath, Me
PORTLAND CO. Fore near G. T. R'wy depot.....	Portland, "
PORTLAND MACHINE WORKS (see page 42), 215 Commercial.....	" "
WINSLOW DANIEL & SON (see page 22), 21 Union.....	" "
OSBORN LOUIS & CO. (see page 68) 74 Lewis.....	East-Boston
RAWSON & HITTINGER (see page opp index), 72 Main.....	Cambridgeport, Mass
CONTINENTAL WORKS (see page 150), Greenpoint, Brooklyn, L. I	
HUBBARD & ALLER (see opp title-page), 93 to 97 Pearl.....	" "
BROWN WILLIAM (see page 162), 541 W. 35th.....	New-York
DELAMATER C. H. & CO. ft W. 13th.....	"
HOLMES, SHAW, BROWN & CO. (see page 280)	
Bordentown, N. J. Office 402 Walnut.....	Philadelphia
WOOD, DIALOGUE & CO. (see inside front cover).....	Camden & Philadelphia
WHITE E. V. & CO. (see page 360) 12 Commercial row.....	Norfolk

Baltimore Copper Paint is equal to any in Use.

Use the best, Tarr & Wonson's Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

MERCANTILE Mutual Marine Insurance Company,

INCORPORATED 1842.

No. 35 Wall Street, New-York.

ASSETS, December 31, 1874, - - \$1,000,000.

This Company takes Marine and Inland Navigation Risks on
Merchandise, Freight, and Hulls of Vessels.

ELLWOOD WALTER, Prest.

ARCH'D G. MONTGOMERY, Jr., Vice-Prest.

ALANSON W. HEGEMANN, 2d Vice-Prest.

C. J. DESPARD, Secretary.

BOSTON Marine Insurance Company, 17 STATE ST., BOSTON.

HENRY WASHBURN, Sec.

R. B. FULLER, Pres.

NEW-YORK OFFICE, 67 WALL STREET.

GEO. H. STETSON, Manager.

R. STUEBLER, Shipwright and Naval Architect 159 FRONT STREET, corner of MAIDEN LANE, NEW-YORK.

For many years head Draughtsman for Wm. H. Webb, Esq., and over twenty-five years' experience in business. Naval Architect of U. S. Revenue Marine.

Vessels built, repaired, or the superintendence of their construction faithfully attended to. Models, Plans, Specifications and Calculations made for all kinds of wood or iron, steam and sailing Vessels; Detail Drawings for interior arrangements, for the construction and fastening of the different parts of Vessels, for Sail and Spars, properly laid out.

Particular attention paid to Yachts and all kinds of Docks.

Plans on hand of every kind of floating bodies, including floating and stationary Elevators, Ferry Boats and Flats for the transportation of Railroad Cars, Steam and Sail Yachts, Docks, Dredging Machines, etc., etc.

Agent for Thiers' Automatic Bilge Pump and Ventilator.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Location of Piers in New-York.

NORTH RIVER.

No.	LOCATION.
1.....	Battery
2 & 3.....	Battery pl & Morris
4.....	Morris
5, 6 & 7.....	Morris & Rector
8.....	Rector
9 & 10.....	Rector & Carlisle
12.....	Albany
13.....	Albany & Cedar
14.....	Cedar
15.....	Liberty
16.....	Liberty & Cortlandt
17 & 18.....	Cortlandt
19.....	Cortlandt & Dey
20.....	Dey
21.....	Fulton
22, 23 & 24.....	Fulton & Vesey
25.....	Vesey
26.....	Vesey & Barclay
27.....	Robinson
28.....	Murray
29.....	Warren
30.....	Chambers
31.....	Duane
32.....	Duane & Jay
33.....	Jay
34.....	Harrison
35.....	Franklin
36.....	North Moore
37.....	Beach
38.....	Hubert
39.....	Vestry
40.....	Watts
41.....	Hoboken
42.....	Canal
43.....	Spring
44.....	Spring & Charlton
45.....	Charlton
46.....	King
47.....	West Houston
48.....	Clarkson
49.....	Leroy
50.....	Morton
51.....	Christopher
52.....	West Tenth
53.....	Charles
54.....	Perry
55.....	West 11th
60.....	West 13th
61.....	West 17th
62.....	West 18th

New-Bedford Caboose and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y

Rules and Regulations

TO BE OBSERVED BY CAPTAINS OR SUPERCARGOES OF SPANISH AND FOREIGN VESSELS WHO MAY ENGAGE IN TRADE IN ANY OF THE PORTS OF THE ISLAND OF CUBA.

1st. The captains or supercargoes of vessels registered for foreign trade who may come into any of the ports of entry of the Island, are obliged to present to the chief officer of the Custom House, who may visit them after the vessel has come to anchor, three manifests without any corrections, and one only certified by the Spanish Consul, declaring captain's name, that of his vessel, the port where it comes from, the number of Spanish tons, number of crew, consignee of the bales, packages, and every other article he has on board composing his cargo, with their respective marks and numbers, the names of the shippers and consignees of the goods, respectively, expressing in ciphers and writing the quantity of every article and the kinds thereof, or the contents of every package according to bill of lading. If the whole or part of the cargo should be of jerked beef, cocoa, or any other article shipped in bulk, the cargo must be manifested in Spanish weight or measure. All stores, ammunition, arms, tools, instruments, and all other ship utensils must be manifested, and likewise the coals, if the vessel be a steamboat.

2d. The captains or supercargoes of vessels who should enter in distress into any port of the Island must deliver a manifest of their cargoes in the same manner as if the vessel were engaged in the trade (excepting being certified by the Spanish Consul).

3d. The same rule pertains to captains or supercargoes of vessels entering in ballast.

4th. The captain who either by stress of weather or by any other fortuitous event should have been obliged to throw overboard part of cargo, will note it also on the manifest, specifying, though summarily, by the quantities, packages, classes, or kinds, with the obligation of presenting to the Custom House this declaration and the log-book in support of this assertion.

5th. If the captain or supercargo should not present a manifest or note of vessels being in ballast at the moment of the visit which shall take place on casting anchor in the port, they are liable to a fine of \$200 for the want of said document; and should it not contain the certification of the Consul they shall pay \$100 fine; for not being in accordance with the formalities expressed in Rule 1st, §25.

6th. Nothing whatever can be discharged without the permission of the collector and knowledge of the commander of the Custom House officers in service.

7th. Neither is it allowed in the bay to transship goods from one vessel into another, whether in a small or large quantity, and in case of violation the captains of both vessels shall be subjected to a fine of \$1000, or the vessel be confiscated.

8th. If in the outward dispatch from the Custom House the officer detects excess of weight or cargo on board, such goods will be confiscated. All goods, products, or any other article detected in the act of being fraudulently shipped shall likewise incur the same penalty of a fine and embargo.

9th. No manifest will be translated, or permits granted for discharging, unless the captain or consignee shall have previously presented the register of the vessel to the Custom House. (Forty-eight hours are allowed the consignees for obtaining the permit to discharge a vessel.)

Engine Builders, Marine.—Continued.

MILLER, KELLEY & HUGHES (see page 392), E. Bay
cor Pinckney.....Charleston
SMITH & VALK (see page 392), east end of Hasel.....“

*** Engineers.**

HOLMES, SHAW, BROWN & CO. (see page 280)
office 426 Walnut.....Philadelphia
REANEY WILLIAM B. (see page 294) 307 Walnut...“
WOOD, DIALOGUE & CO. (see inside
front cover).....Camden & Philadelphia

*** Engineers' Supplies.**

GERRISH J. J. & CO. 31 Commercial.....Portland, Me
PUTNAM GEORGE D. & CO. (see advt.) 151 & 153
Franklin.....Boston
ROBERTS, BLACKBURN & CO. 409 Atlantic ave.....“
BURHANS & GEORGE (see page 252), 164 Maiden
lane.....New-York
POLLOCK & VAN WAGNER (see page 210), 212
West.....“
SPEAR & COOPER (see page 298), 402 S. Delaware
ave.....Philadelphia
WHITE E. V. & CO. (see page 360) 12 Commercial row....Norfolk
STARR H. L. & CO. 5 Whitaker.....Savannah

Engravers.

LEE HOMER & CO. (see page 174) 62 Liberty.....New-York
SULLIVAN J. F. (wood) 23 John.....“

Felting, Boiler and Pipe.

(Manufacturers and Dealers.)

Asbestos Felting Co. 11 Pemberton sq.....Boston
Downie William & Co. 153 Devonshire.....“
LOWELL FELTING MILLS (see page 80), 55 Congress.....“
PUTNAM GEORGE D. & CO. (see page) 151 Frank-
lin.....“
THOMPSON WILLIAM H. (see page 76) 55 Congress.....“
Glover W. J. & Co. 49 Exchange pl.....Providence, R. I
The Chalmers Spence Co. 9 Weyboset.....“
Asbestos Felting Co. 316 Front.....New-York
Asbestos Felting Co. (R. C. Davidge) 36 W. Lombard.....Baltimore
Parker R. C. 33 S. Eutaw.....“

*** Feltors, Boiler and Pipe.**

BAKER & PRINCE (see page 106), end India whf.....Boston
PUTNAM GEORGE D. & CO. (see page) 151 & 153
Franklin.....“

Baltimore Copper Paint is unsurpassed.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Ag't, 31 South St., N. Y.**

ROEBLING'S WIRE ROPE,

FOR BEST

IRON or STEEL WIRE HOISTING, RUNNING, or STANDING

ROPES,

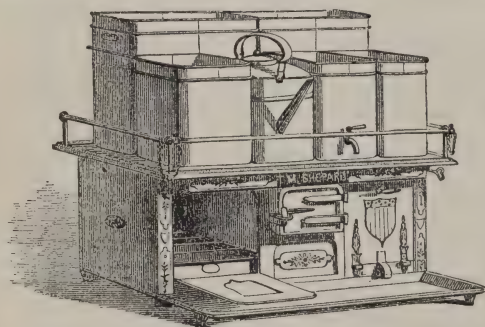
OR BEST GALVANIZED CHARCOAL WIRE

ROPES FOR SHIP'S RIGGING,

Address, JNO. A. ROEBLING'S SONS, Manufacturers,

Trenton, N. J., or 117 Liberty St., N. Y.

Wheels and Rope for transmitting power long distances. Send for Circular and Pamphlet.



Shepard's Cabooses

OF ALL SIZES, FOR

STEAMSHIPS, SHIPS, STEAMBOATS

BARKS,

Brigs, Schooners, Yachts, and all
classes of small vessels; also

CABIN-HEATING STOVES.

Repairing attended to promptly.

CHAS. J. SHEPARD,

242 Water St., N. Y.

GORDON BROTHERS,

Elevator, Hoist Wheel and Dumb Waiter

MANUFACTURERS,

No. 136 South Fifth Avenue,

Bet. Spring and Prince Streets,

NEW-YORK.

Rolling Iron Shutters properly fixed and warranted to work. All kinds of Jobbing Blacksmithing
work done. Men kept constantly on hand for Jobbing.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Location of Piers in New-York.

EAST RIVER.

No.	LOCATION.
1 & 2.....	Whitehall
3.....	Moore
4.....	Moore & Broad
5.....	Broad & Coenties slip
6, 7 & 8.....	Coenties slip
9 & 10.....	Coenties & Old slips
11 & 12.....	Old slip
13.....	Old slip & Gouverneur lane
14.....	Jones
15 & 16.....	Wall
17.....	Pine
18.....	Maiden lane
19.....	Fletcher
20 & 21.....	Burling slip
22.....	Fulton
23.....	Beekman
24.....	Beekman & Peck slip
25 & 26.....	Peck slip
27.....	Dover
28.....	Dover & Roosevelt
29.....	Roosevelt
30.....	Roosevelt & James slip
31 & 32.....	James slip
33.....	Oliver
34 & 35.....	Oliver & Catherine
36.....	Catherine slip & Market
37 & 38.....	Market
39.....	Market & Pike
40 & 41.....	Pike
42.....	Pike & Rutgers
43 & 44.....	Rutgers
45.....	Rutgers & Jefferson
46.....	Jefferson
47.....	Jefferson & Clinton
48.....	Clinton
49.....	Clinton & Montgomery
50.....	Montgomery
51 & 52.....	Gouverneur
53.....	Jackson
54.....	Corlears
55.....	Cherry
56 & 57.....	Broome
58 & 59.....	Delancey
60.....	Rivington
61.....	Rivington & Stanton
62.....	Stanton
63.....	3d
—.....	E. 4th
64.....	5th
65.....	6th
66.....	7th
67.....	8th
68.....	9th
69.....	10th
70.....	11th
—.....	12th

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Island of Cuba.

CUSTOMS.

CAPTAINS and supercargoes of sailing and steam vessels under Spanish or other flags, employed in the importation trade between foreign ports and those of the Island of Cuba, will observe for their government the following regulations, from their clearance up to their arrival at the port to which they are bound :

- 1st. Masters of vessels trading with Cuba must present to the Spanish Consul, at the port from whence they sail, a manifest in triplicate (3), without erasure or alteration, which must express :
- 2d. The rig, nationality, name of the vessel, number of crew, consignees (no vessel can be consigned to order), Spanish tonnage. (Spanish tonnage is about 11 per cent over American tonnage.)
- 3d. The master's name.
- 4th. The port or ports she sails from.
- 5th. The names of the shippers, and those of the owners or consignees of the cargo.
- 6th. The bundles, bales, casks, barrels, cases, and other packages, with their corresponding marks and numbers, expressing in writing and figures the exact quantity of each kind.
- 7th. The general class of the merchandise or contents of the packages, and their gross weight in kilograms. (A kilogram is equal to $2\frac{1}{16}$ lbs. English weight.)
- 8th. Similar information as to what is intended for bond or in transit.
- 9th. The manifest to conclude by a declaration that the vessel conveys no other goods besides, and that those she has on board are not prohibited through fear of infection or otherwise. No entry to order is allowed.

Merchandise in bulk, such as rod and sheet iron, metals in bars and ingots, boards, deals, and other woods, and the like, must be declared by their Spanish weight, measurement, and quantity, according to their class.

Three copies of the manifest have to be certified by the Consul, one of which will be returned to the master, and one is to be transmitted to the Custom House authorities at the port to which the vessel is bound. Masters of vessels must also be careful to provide themselves with a bill of health, duly certified by the Spanish Consul.

RATES OF PILOTAGE FOR THE PORT OF GEORGETOWN, DEMERARA.

Each vessel, ships-of-war included, drawing :

	Towing.	Not towing.
10 feet or under.....	\$7 00	\$12 00
11 ".....	7 58	13 00
12 ".....	10 50	18 00
13 ".....	13 42	23 00
14 ".....	16 91	29 00
15 ".....	20 41	35 00
16 ".....	23 90	41 00
17 ".....	27 41	47 00
18 ".....	30 91	53 00
19 ".....	36 16	62 00
20 ".....	42 00	72 00

TONNAGE FEES FOR PORT OF GEORGETOWN, DEMERARA.

Vessels 70 tons and under, 5 cts per ton. Vessels above 70 tons, 75 cts. per ton.
 Sheriff's fee, \$2 for vessels of 70 tons and under ; \$4 for vessels above 70 tons.
 Fees of Government Secretary's office, vessels of 70 tons and under, \$2 ; above 70 tons, \$3.33.
 Harbor Master's fee, $2\frac{1}{2}$ cts. per ton.
 Health Officer, visiting vessels for inspection, \$4 ; visiting in quarantine, \$ each visit.
 (No vessels under 35 tons are allowed to import spirits or tobacco.)

STEVEDORES' CHARGES OF THE PORT OF GEORGETOWN, DEMARARA.

Hhds. sugar.....	20 cts. each.
Tierces ".....	16 "
Barrels ".....	8 "
Puns. rum.....	16 "
Hhds. ".....	12 "
Barrels ".....	8 "

LIGHTERAGE OF THE PORT OF GEORGETOWN, DEMERARA.

\$3 per load, equal to 100 barrels coals ; 20 cts. per hhd. ; 30 to 36 cts. per ton.
 Sugar, 24 cts. per hhd.
 Rum, 16 cts. per puncheon.
 Ballast—sand, \$1.10 to \$1.75 ; mud or caddy, 90 cts. to \$1 per ton.

*** Fenders, Ship.**

BURHANS & GEORGE (see page 252), 164 Maiden
lane New-York

*** Fire Extinguishers.**

TRIUMPH FIRE EXTINGUISHER CO. D. B.
Waggener sec. 424 Walnut Philadelphia

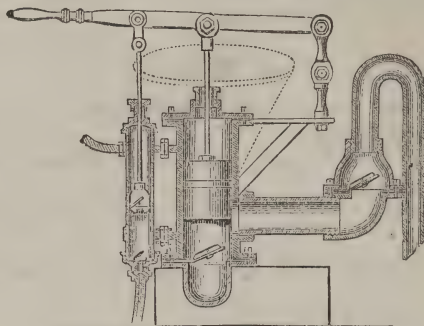
Flag Makers.

LEAVITT F. A. (see page 38) 49½ Exchange Portland, Me
Bowen R. S. & Co. 173 State Boston
BREWER & WHEELER (see page 6), 498 Atlantic ave. "
Erickson A. 38 N. Market "
FEARING, RODMAN & SWIFT (see advt.), 25 Com-
mercial "
HAMMOND & TERHUNE (see page 110), 234 Commer-
cial "
Lamprell & Marble, 357 Commercial "
LYNCH W. H. & CO. (see page 106) 22 N. Market "
MARTIN JAMES & SON (see page 106), 114 Commercial .. "
Peterson Theodore, 76 Sumner East-Boston
Pollard & Leighton, 104 Tremont Boston
Trundy & Co. 59 Broad "
YALE R. M. (see page 110) Commercial cor S. Market "
DOW GEORGE S. (see page 132) 112 S. Water Providence
Annin Edward J. 14 Cortlandt New-York
Annin & Co. 99 Fulton "
Bertine Edwin R. 149 Fulton "
Breyde Catharine M. 20 Thompson "
DEGRAUW, AYMAR & CO. (see page 226) 42 South ... "
Gotthelf August, r 176 Stanton "
Grumbach J. E. & Co. 215 Fulton "
Gunsel Theodore, 13 Second ave "
McFADDEN S. & CO. (see page 210) 198 Hudson "
POWELL WILLIAM J. (see page 210) 153 South "
Salisbury & Co. 159 Duane "
ETHERIDGE B. E. (see page 294) 250 N. Delaware
ave Philadelphia
HESS LEWIS & SON (see page 284), 308 S. Delaware
ave "
Horstmann Bros. & Co. N. 5th cor Cherry "
LAWRENCE CHARLES (see page 284), 16 N. Delaware
ave "
MAIR & CRANMER (see page 284), 136 S. Delaware
ave "
STEVENS & MILLER (see page 284), 122 & 124 S.
Delaware ave "

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

**Tarr & Wonson's Patent Copper Paints, the only
reliable. John C. Giffing, Ag't, 31 South St., N. Y.**

BISHOP & GRADY, Plumbers and Gas-Fitters, 210 SOUTH ST., NEW-YORK.



The above cut represents the inside view of the working parts of our *Patent Pump Water-Closet*, by which the internal working arrangements can be easily understood.

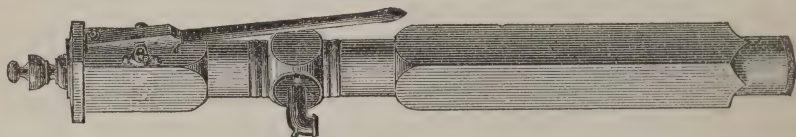
It has been thoroughly tested, and found to be the very thing wanting, as it requires no faucets or tanks. The simple action of the handle regulating the supply and discharge, it is impossible to leave it open, thereby preventing the possibility of its overflowing or leaking.

We also manufacture all other styles of *Water-Closets, Pumps, etc.*, and supply to the trade all kinds of Plumbing, Gas and Steam-Fitting Materials.

KANAWHA PUMP WORKS,

BURLINGHAM & PURDY, Proprietors,

Manufacture the *GENUINE CUCUMBER WOOD PUMP*. Factory: Charleston, Kanawha Co., West-Virginia. Baltimore Office: 74 Camden St. New-York Office: 103 Chambers St.



DESCRIPTION.—PUMP, 6×6 in. square, 3½ in. bore, 6 to 24 feet long. PIPE, 4×4 in. square, 1½ in. bore. COUPLING, 6×6 in. square, 3½ in. bore. Price-lists sent on application.

GILMAN, FOQUE & SNOW,

WHOLESALE DEALERS IN

Paints, Oils, Varnishes, etc.,

And Manufacturers of the Celebrated

STAR COPPER PAINT.

The Star Copper Paint for vessels' bottoms requires no stirring, is easily applied, contains a larger percentage of COPPER than any other Paint, and is in every respect, a superior article.

63 and 65 Broad Street, Boston.

GEO. E. JAMES,

MANUFACTURER OF

Gong Bells,

SPEAKING AND SOUNDING TUBES,

AND

Bell-Hangers' Materials

FOR STEAMSHIPS,

10 MAVERICK SQUARE, E. BOSTON.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Flag Makers.—Continued.

Loane J. W. & Son, 67 W. Pratt.....Baltimore
 Sisco Bros. 50 N. Charles.....“
 TRAVERS & MEEKINS (see page 344), 2 Spear's whf...“
 EDWARDS & KING (see page 364), 1 & 2 Campbell's
 whf.....Norfolk

Fog Horns.

NATIONAL ALARM CO. (see page 122) 54 Devonshire....Boston

***Forges, Portable.**

COFFIN PAUL C. & CO. (see page 142) 197 West.....New-York

Fruits.

(Foreign and Domestic.)

MERRITT J. W. & G. H. 7 Merchants' row.....Boston

***Furniture Dealers.**

DEGRAAF & TAYLOR (see page 238), 87 & 89 Bow-
 ery.....New-York
 STEVENS S. A. & CO. Main cor Granby.....Norfolk

***Galley Outfits.**

NASH F. & C. B. (see page 38) 172 & 174 Fore.....Portland, Me
 NASH O. M. & D. W. (see page 38) 6 Exchange.....“
 CHASE F. D. (see C, front fly leaves) 221 & 223 Commer-
 cial and 4 Lewis' whf.....Boston
 SARGENT, WILD & CO. (see F, back fly leaves) 42 & 44
 Clinton.....“
 Hallet G. G. (see page 144) Water cor Beekman.....New-York
 SHEPARD C. J. (see page 136) 242 Water.....“
 SMULL D. C. (see side margin lines) 60 W. Pratt.....Baltimore
 THOMPSON GEORGE W. & CO. (see page 380) E.
 Bay.....Charleston

***Galvanizers.**

LAUGHLIN THOMAS & SON (see page 22), 16 & 18
 Centre.....Portland, Me
 MERRY JOHN & CO. (see page 204) 46 Cliff.....New-York
 SNOW & SON, 253 Pearl.....“
 WEST SIDE GALVANIZING WORKS (see page 204),
 46 Cliff.....“

Gaskets, Rubber.

BOSTON ELASTIC FABRIC CO. (see page 170) 175 De-
 vonshire.....Boston

**Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.**

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

Port Charges, France.

DUNKIRK: Dues and charges on a steamer of 554 tons register, cargo in and out:

	Fr.	Cent.
Pilotage in and out.....	167	58
Pilot, two days on board, and gratuity.....	14	
Assistance boat, in and out.....	30	
Stamps, printed paper, etc.....	12	
Permit and postage.....	15	60
Survey of hatches, etc.....	32	20
Health dues.....	55	40
Boat for unmooring.....	12	40
Dock dues.....	33	24
Steam-tug.....	83	43
Municipal tax.....	66	73
Watchman.....	29	73
Consul, protest.....	25	73

(About \$110.32.) 576 13

Commission on chartering, 5 per cent.

GRAVELINES: Charges on a brig of 216 tons register, cargo in and ballast out, drawing 14 feet 7 in ches, loaded:

	Fr.	Cent.
Harbor dues, 10 c. per ton.....	21	60
Brokerage, 50 c. ".....	108	
Pilotage in and out, 45 c. per ton.....	97	20
Passport.....	2	20
Ballast, 50 tons at 1 fr. 5 c.....	52	50
Three horses towing.....	15	50
Assistance boat.....	10	50

(About \$59.) 306 30

If the pilot be retained on board, he is paid 3 francs per day.

BOULOGNE: Expenses of a vessel of 100 tons:

	Fr.
Passport, 2 fr.; health dues, 10 fr.....	12
Pilotage, inward, 28 fr.; outward, 14 fr.....	42
Assistance boat, 6 fr.; ballast, 30 tons, 21 fr.....	27
Brokerage, attendance, and petty expenses.....	75

(About \$30.20.) 156

Commission for chartering, 2½ per cent.

CALAIS: Dues and charges on a brig of 186 tons register, cargo of coals in and ballast out, drawing 14 feet, loaded:

	Fr.	Cent.
Pilotage, inward.....	51	15
Towage ".....	55	20
Pilot, mooring the vessel.....	3	
Assistance boat and line from shore.....	10	
Declaration and stamp inward.....	5	
Dock gates.....	3	
Bill of health and passport.....	20	60
Ballast.....	65	
Pilotage, outward.....	25	60
Pilot boat, ".....	8	
Tug boat, ".....	25	
Brokerage, 50 c. per ton of cargo.....	163	25

(About \$84.18.) 434 80

Pilotage is not now compulsory on steamships.

ST. VALERY-SUB-SOMME: Expenses of a vessel of 102 tons register, with a cargo of 174 tons coal inward, drawing 11 feet; ballast out:

	Fr.	Cent.
Pilotage in, 60 c. per ton.....	61	20
" out, 30 c. ".....	30	60
Health dues, 10 fr. 20 c.; passport, 2 fr.....	12	20
Ballast, 50 tons.....	40	
Brokerage, 50 c. per ton of cargo.....	87	40
Horses, tacking in and out.....	30	60

(About \$60.) 262 00

Vessels do not require the assistance of horses, if the wind be fair.

Gaskets, Rubber.—Continued.

HALE ALFRED & CO. (see page opp index) 166 Washington, Boston
 Rubber Gasket Co. New-Haven, Ct
 BOSTON ELASTIC FABRIC CO. (see page 170) 102
 Chambers. New-York
 BUCKLEY & MERRITT (see page 138), 156 South. “

Gauge Manufacturers.

(Steam and Water.)

American Steam Gauge Co. 38 Chardon. Boston
 Ashcroft E. H. 55 Sudbury. “
 Bentley & Richardson, 1143 Washington and 33 Waltham. “
 Bramen, Dow & Co. 3 & 4 Haymarket sq. “
 Drew & Coffin, 11 Bowker. “
 Eastman J. L. 73 Haverhill. “
 Morrill, Whittemore & Co. 75 Lincoln. “
 Morton A. M. & Co. 87 Friend. “
 Paul George K. & Co. 64 Union. “
 Walworth Manuf. Co. 69 Kilby. “
 Davis I. B. & Co. Hartford, Ct
 Pelkin Bros. & Co. “
 Heuermann William, 4 Cedar. New-York
 Knapp J. G. 26 Frankfort. “
 McNab & Manlin Mnfg Co. 56 John. “
 SHAW THOMAS (see page), 913 Ridge ave. Philadelphia

*** Gentlemen's Furnishing Goods.**

BRENNER M. (see page 248) Pratt ne cor Frederick and
 Bond ne cor Thames. Baltimore
 SCOTT E. (see page 396) Meeting. Charleston

*** German Silver.**

(Sheet.)

BENEDICT & BURNHAM MNFG. CO. (see back cover) 55
 & 57 Oliver. Boston
 PLUME & ATWOOD MNFG. CO. 13 Federal. “

*** Gilding Metal.**

PLUME & ATWOOD MNFG. CO. 13 Federal. Boston

Glass.

(Ornamental, Ground, Cut, and Embossed.)

JONES THOMAS (see page 220), Franklin cor Centre. New-York

*** Grate Bars.**

AMERICAN STANDARD GRATE BAR CO. Geo. D.
 Putnam & Co. agts, 151 & 153 Franklin. Boston

Baltimore Copper Paint is perfectly pure.

**Tarr & Wonson's Patent Copper Paints. John C.
 Giffing, Agent, 31 South St., New-York.**

BRINCKERHOFF, TURNER & Co.,
109 Duane St., New-York,
COMMISSION MERCHANTS,

Manufacturers and Dealers in

COTTON SAIL DUCK.

"Woodbury," "Druid Mills," "Polhemus," and other favorite brands ;
all numbers, "Hard, Medium, and Soft.

RAVENS DUCK.

"Bear" and "Montana," 8, 8½, and 9 ounces, 29 inches wide; Twills,
Drilling and 40-inch "Montana" Duck; Enameling Duck,
Leather Cloth, Belting, and Hose Duck; U. S.
Hammock, Bag, and Cot Duck;
Eight, Nine, Ten, Twelve, and Fifteen Ounce Duck; Duck for Overalls,
Blue, Brown, and Gray.

COTTON CANVAS

of all numbers, 14 to 150 inches wide; for Deck, Car, Trunk, and Wagon
Covering, Machine Aprons and other purposes, constantly
in store and made to order.

SEAMLESS BAGS, "Ontario" and "Montana," A. B. C.

COTTON SAIL TWINE, 3 to 14 ply.

AWNING STRIPES.

Agents for U. S. BUNTING CO. "U. S. Standard" and "Eagle" by the
Case or less quantity.

RUSSIA BOLT ROPE, ALL SIZES.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Grate Bars.—Continued.

RYDER RECIPROCAL GRATE ASSOC. (see advt.) 73
 Kilby.....Boston
 HUTCHINSON R. A. 30 Cortlandt.....New-York

Grindstones.

LOMBORD & CO. Lewis whf cor Atlantic ave.....Boston

*** Groceries, Fancy.**

DUFFY JAMES (see page 220), 131 Pearl and 82 & 84
 Beaver.....New-York

*** Gun Carriages.**

CONTINENTAL WORKS (see page 150), Greenpoint.Brooklyn, L. I

*** Hand Rails.**

AMERICAN TUBE WORKS, 97 State.....Boston

Hardware.

(See *Ship Builders' Hardware.*)

Heater Tubes.

AMERICAN TUBE WORKS, 97 State.....Boston

*** Hoist Wheels.**

GORDON BROS. (see page 158) 136 S. Fifth ave.....New-York
 SAUNDERS O. P. 402 Penn.....Philadelphia
 WHITECAR JOSEPH (see page 260), 402 & 406 Penn “

*** Hoisting Engines.**

PORTLAND MACHINE WORKS' (see page 42), 215
 Commercial.....Portland, Me
 OSBORN LOUIS & CO. (see page 68) 74 Lewis.....East-Boston
 RAWSON & HITTINGER (see opp. index),
 72 Main.....Cambridgeport, Mass

Hose.

(*Duck.*)

BLAKE HOSE ASSOC. (see page 126) 151 Franklin.....Boston
 BRINCKERHOFF, TURNER & CO. (see page 166)
 109 Duane.....New-York
 BLAKE HOSE ASSOC. R. Grimshaw manager (see
 page 126), 323 Chestnut.....Philadelphia

Hose.

(*Leather.*)

BUCKLEY & MERRITT (see page 138), 156 South.....New-York
 SMITH A. M. 232 West.....“

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, France.—Continued.

TREPORT AND EU : The expenses of a vessel of 96 tons register (160 tons burden) amounted to £7 10s.

DIEPPE : Dues and charges on a vessel of 247 tons register :

	Fr.	Cent.
Boat to help in, and pilotage inward.....	79	20
Haulage, inward and outward.....	4	00
Boat and pilotage outward.....	31	50
Board of Health.....	24	70
110 loads ballast, at 1 fr. 5 cent.....	115	50
Watchman.....	10	00
Brokerage on 330 tons of wood at 40 cent.....	132	00
	396	90
Towage inward, (optional charges).....	61	75
“ outward, “ “.....	37	05
	495	70

(About \$96.80.)

Weighing charges, 6 fr. per 100 tons in railway wagons, and 8 fr. in carts.

There are no local dock dues.

M. LEON DELARUE, *Ship Broker, Dieppe.*

ST. VALERY-EU-CAUX : Brokerage on cargo, 50 cent. per ton.

Charges on a vessel of 67 tons register, drawing $9\frac{1}{2}$ feet, about \$10, exclusive of brokerage. Ballast, 8d. per ton.

FECAMP : Dues and charges on a brig of 165 tons register, drawing $12\frac{1}{2}$ feet, with a cargo of deals (80 standard) inward and ballast outward :

	Fr.	Cent.
Pilotage in.....	42	05
Help-boat in.....	12	00
Haulers in port.....	8	60
Pier masters.....	6	95
Custom House dues.....	18	50
Ballast, 30 cubic meters, at 1 fr. 49 cent.....	44	70
Brokerage.....	190	30
Pilotage out.....	28	44
Postage and petty expenses.....	4	95
Fire guardian.....	8	25
Laborage, assisting to discharge cargo.....	56	00
	420	74

(About \$81.50.)

HAVRE : Charges on a British vessel from England or an English possession :

Pilotage in, 28 fr. for the first hundred tons.	
“ “ 25 fr. for the second hundred tons.	
“ “ 23 fr. for the third hundred tons, and above ; $1\frac{1}{4}$ per cent for the head pilot.	
Boats of help in, 24 fr. outside the banks.	
“ “ 12 fr. outside the piers.	
“ “ 9 fr. in the harbor.	

	Fr.	Cent.
Weighing anchors, 2	50	per each cwt.
“ chains,	50	per each cwt., and $\frac{1}{4}$ more if there be no buoy rope.
Haulers.....	30	per man, besides 1 fr. 50 cent. for the hawsers.
Bridges..... 3	60	for each bridge.
Ballast unshipped	64	per $\frac{1}{4}$ meter.
Ballast shipped... 1	14	per half meter for sand.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Hose.
(*Rubber.*)

BLAKE HOSE ASSOC. (see page 126), 151 Franklin.....	Boston
BOSTON ELASTIC FABRIC CO. (see page 170) 175 Devonshire.....	"
HALE ALFRED & CO. (see page opp index) 166 Washington.....	"
BOSTON ELASTIC FABRIC CO. (see page 170) 102 Chambers.....	New-York
BUCKLEY & MERRITT (see page 138), 156 South....	"
NEW-YORK BELTING & PACKING CO. (see page VI) 37 & 38 Park row.....	"
BLAKE HOSE ASSOC. Robert Grimshaw manager (see page 126), 323 Chestnut.....	Philadelphia

Hotels.

SAGADAHOCK.....	Bath, Me
PREBLE HOUSE.....	Portland, "
PARKER HOUSE, School opp City Hall.....	Boston
REVERE HOUSE, Bowdoin sq.....	"
UNITED STATES, Kneeland opp Woster depot.....	"
YOUNG'S, Washington opp State.....	"
PEQUOT HOUSE.....	New-London, Ct
FIFTH AVENUE, Broadway & 23d.....	New-York
GRAND UNION, 4th ave & 42d.....	"
GILSEY HOUSE, Broadway & 27th.....	"
METROPOLITAN, Broadway & Prince.....	"
SINCLAIR, Broadway cor 8th.....	"
FRENCH'S, Park row cor Frankfort.....	"
ST. NICHOLAS, cor Spring & Broadway.....	"
UNITED STATES, Fulton cor Water.....	"
AMERICAN, S. M. Hulling prop (see page 294), Chestnut opp Independence Hall.....	Philadelphia
COLONNADE, Chestnut cor 15th.....	"
CONTINENTAL, Chestnut cor 9th.....	"
UNITED STATES, 200 S. Delaware ave.....	"
BARNUM'S, Calvert, Monument sq.....	Baltimore
BUCK'S EUROPEAN (see page 356), 30, 32, & 34 Pratt and 84 & 86 Market space.....	"
CARROLLTON, Light cor German.....	"
RENNERT HOUSE, 45 Fayette.....	"
ST. CLAIR, Monument sq.....	"
ATLANTIC, Granby cor Main.....	Norfolk
GOODE HOUSE (see page 368), Main cor Commerce.....	"
MANSION HOUSE, 5 & 7 Union.....	"
NATIONAL, Main cor Church.....	"
AMERICAN HOUSE, High cor Middle.....	Portsmouth, Va
CHARLESTON HOTEL (see page 384), Meeting.....	Charleston

Baltimore Copper Paint is equal to any in use.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Boston Elastic Fabric Co.,

MANUFACTURERS OF

VULCANIZED RUBBER GOODS,

COMPRISING

RUBBER BELTING,

Fire Engine and Conducting Hose,

STEAM PACKING, GASKETS, ETC.

102 CHAMBERS STREET, NEW-YORK,

175 Devonshire Street, Boston.

Corn Exchange Bag Factory.

W. B. ASTEN & CO.,

NO. 25 PEARL STREET, COR. WHITEHALL,

(OPPOSITE PRODUCE EXCHANGE.)

Ships and Shippers furnished with Bags and Sewers, at the
Lowest market rates.

W. B. ASTEN,
L. BRADLEY.

G. W. HART,
C. W. KURTZ.

W. O. DAVEY & SONS,

MANUFACTURERS OF

OAKUM,

No. 117 WALL ST., NEW-YORK.

FACTORY, JERSEY CITY, N. J.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Hotels.—Continued.

PAVILION HOTEL (see page 390), Meeting cor Hasel..Charleston
 BRESNAN'S EUROPEAN, 156 to 162 BryanSavannah
 PULASKI HOUSE, Bryan cor Bull.....“
 SCREVEN HOUSE, Bull cor Congress.....“

*** Hydrants.**

(Fire and Dock.)

COFFIN PAUL C. & CO. (see page 142) 197 West.....New-York

Hydraulic Jacks and Punches.

DUDGEON R. 24 Columbia.....New-York

Hydraulic Presses.

RAWSON & HITTINGER (see page opp in-
 dex), 72 Main.....Cambridgeport, Mass

*** Injectors.**

PORTLAND MACHINE WORKS (see page 42), 215
 Commercial.....Portland, Me

*** Insurance Agents.**

(Marine.)

ROLLINS C. E. 108 S. 4th.....Philadelphia
 HUTCHINGS WILLIAM V. & VINCENT W. H. (see page
 86) 25 State.....Boston
 TUPPER SAMUEL Y. 1 Broad.....Charleston

Insurance Brokers.

(Marine.)

RYAN & KELSEY (see page 26), 161 Commercial...Portland, Me
 BREWSTER, GRAVES & WILLS (see page 10), 17 Ex-
 change plBoston
 HERRIMAN & WHITNEY (see page 86), 40 Congress and
 1 Exchange pl.....“
 WINSHIP & GORE, 28 State.....“
 DORRANCE JOHN R. 9 Weybosset.....Providence
 TURNER & ARMSTRONG, 20 Weybosset.....“
 ANTHONY & CHEW (see page 192), 70 Wall.....New-York
 COOK GEORGE E. & CO. 49 Wall.....“
 HAYWARD JAMES W. (see page 192) 47 William“
 James Lawson jr. 62 Wall.....“
 JOHNSON & HIGGINS (see page 192), 62 Wall.....“
 TELFAIR JACOB R. (seea pge 188) 56 Wall“
 ANTHONY, CHEW & GERRISH (see advt.), 218½
 Walnut.....Philadelphia

New-Bedford Caboosees and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, France.—Continued.

	Fr.	Cent.	
Ballast shipped...	1	95	per half meter for clean ballast.
Board of Health...	2	50	for a vessel of 50 tons measurement and under from Europe.
" " "	5	00	for a vessel of 51 tons measurement and above from Europe.
" " "	10	00	for a vessel from other countries.

Local dues authorized on January 1, 1855, to liquidate the loan of 8,000,000 fr. raised by the town for the improvement of the harbor and the docks.

	Fr.	Cent.	
			80 from British possessions in Europe, with coal per ton.
	1	10	with other cargoes.
			75 from other ports in ballast and going away laden.
	2	25	from other ports with cargo.

	Fr.	Cent.	
Protest before the court.....	9	05	
Affirmation before the court.....	5	50	
Gunpowder shipped and unshipped	8	00	
Brokerage in.....		05	per ton of goods landed, or 75 cent. per register ton for English vessels.
Brokerage out.....	0	25	per ton of goods shipped.
Brokerage on ballast.....	0	12	per ton of goods measurement.

No fire or cooking is allowed on board ships.

EXPENSES OF TWO SHIPS.

A vessel of 300 tons register, from the United Kingdom, laden with coals :

	Fr.	Cent.
Board of Health, 10 cent. per ton.....	30	00
Haulers in dock (above).....	15	00
Bridgemen.....	7	20
Pilotage in.....	79	20
Help-boat in.....	12	00
Dock dues, 45 cent.....	153	00
Clearance.....	2	00
Pilotage out (in ballast).....	26	40
Help-boat out.....	9	00
Haulers out of the docks.....	8	40
Stamps, printing, etc.....	5	00
Brokerage per ton of 1000 kilos delivered.....		50

If the vessel brings a general cargo, her expenses will be increased by the following items :

	Fr.	Cent.
Protest at Tribunal of Commerce.....	11	25
Surveyors on the cargo (about).....	50	00
Dock dues, 75 cent. per ton ; salvage dues, 5 cent. and 20 per cent ; clearance, 2 fr., making 245 fr. as against 153 fr.....	92	00

A vessel of 500 tons register, from Bombay, laden with cotton :

	Fr.	Cent.
Protest at Tribunal of Commerce.....	11	25
Surveyors on the cargo (about).....	80	00
Board of Health, 15 cent. per ton.....	75	00
Haulers in docks (about).....	28	00
Bridgemen.....	7	20
Pilotage in.....	263	90
Help-boat in.....	15	00
Dock dues, 75 cent. per ton ; salvage ditto, and clearance.....	407	00
Pilotage out (in ballast).....	44	00
Help-boat out.....	30	00
Haulers out of docks.....	19	00
Stamps, printing, etc.....	12	00
Brokerage in, per ton of 1000 kilos delivered.....		75

Insurance Companies.*(Marine.)*

Merchants' Marine Insurance Co.....	Bangor, Me
PORTLAND LLOYDS MARINE INSURANCE CO.	
(see page 42).....	Portland, "
St. Croix Lloyds Insurance Co.....	St. Croix, "
BOSTON MARINE INSURANCE CO. (see page 86) 17	
State	Boston
Boylston Fire and Marine Insurance Co. 45 State.....	"
Manufacturers' Fire and Marine Insurance Co. 59 State.....	"
Mercantile Marine Insurance Co. 58 State.....	"
Neptune Fire and Marine Insurance Co. 64 State.....	"
Washington Fire and Marine Insurance Co. 38 State	"
Commercial Mutual Marine Insurance Co.....	New-Bedford, Mass
Equitable Marine Insurance Co.....	Provincetown, "
Salem Marine Insurance Co.....	Salem, "
Springfield Fire and Marine Insurance Co.....	Springfield, "
Wellfleet Marine Insurance Co.....	Wellfleet, "
Atlantic Fire and Marine Insurance Co.....	Providence, R.I
Equitable Fire and Marine Insurance Co.....	" "
Newport Fire and Marine Insurance Co.....	" "
Atlantic Mutual Insurance Co. 51 Wall.....	New-York
BOSTON MARINE INSURANCE CO. (see page 86) 67	
Wall	"
Commercial Mutual Insurance Co. 57 William	"
General Insurance Co. (Dresden) 60 Wall.....	"
Great Western Insurance Co. 50 Wall.....	"
MERCANTILE MUTUAL MARINE INSURANCE	
CO. (see page 154) 35 Wall.....	"
National Lloyds Insurance Co. 73 William.....	"
New-York Lloyds Insurance Co. 76 Wall.....	"
New-York Mutual Insurance Co. 63 William.....	"
Orient Mutual Insurance Co. 43 Wall.....	"
Pacific Mutual Insurance Co. 119 Broadway.....	"
Sun Mutual Insurance Co. 37 Wall.....	"
Switzerland Insurance Co. 60 Wall.....	"
Union Mutual Insurance Co. 63 William.....	"
United States Lloyds Insurance Co. 50 Wall.....	"
DELAWARE MUTUAL SAFETY INSURANCE CO.	
(see page 264) 3d se cor Walnut.....	Philadelphia
UNION MUTUAL INSURANCE CO. (see page 314)	
Walnut ne cor 3d.....	"

*** Iron Founders.**

TORREY MFG. CO. (see margin lines, also page opp	
index), Commercial.....	Bath, Me
PORTLAND CO. e end Fore.....	Portland, "

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

PRATT & CO.,
BUFFALO IRON AND NAIL WORKS,

Manufacturers of

Bar, Angle and Plate Iron,

Nails, Spikes, Bolts, Nuts, Washers,

WROUGHT IRON IN SHAPE

For SHIP BUILDING, DOCK, PIER, CONTRACT WORK, Etc.

Iron Bridges and Railway Supplies.

Wm. Morehouse's Patent Wrought Angle Iron Ship Knee,

PATENTED IN THE UNITED STATES AND CANADAS.

The advantages of this Knee over any other, either Wood or Iron, are .
1st. Being about one half lighter. 2d. Being about three times stronger.
3d. Room taken from storage in ship less. 4th. Costs no more than best
Wood Knees. 5th. Costs one half less than other Iron Knees. 6th. Can be
removed when repairs are necessary, and replaced, good as new.

Manufactured Solely by

PRATT & CO., 44, 46, 48 & 50 Terrace Square, Buffalo, New-York.

GODFREY & BOYCE,

MANUFACTURERS OF

CORK LIFE PRESERVERS AND BUOYS

No. 51 Fulton Street, New-York.

—♦—
SOLE MANUFACTURERS OF THE CELEBRATED

Everfloat and Eureka Cork Jackets.

HOMER LEE & CO.,

ENGRAVERS AND PRINTERS,

62 LIBERTY STREET,

NEW-YORK.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

J. W. & W. F. SMITH,

Timber Dealers,

EAGLE STEAM SAW MILLS,

FOOT OF KENT STREET,

GREENPOINT, L. I.

SOUTHARD & CO.,

DEALERS IN

Timber and Lumber,

No. 121 FRONT STREET, NEW-YORK.

YELLOW PINE, WHITE PINE, and WHITE OAK,

Furnished to Order, of any required dimensions, in large or small lots.

FOREIGN ORDERS PROMPTLY FILLED.

B. F. JAYNE.

B. F. JAYNE & CO.,

E. M. JONES.

DEALERS IN



LOCUST TIMBER AND TREENAILS

Nos. 78 and 80 Rutgers Slip,

Opposite Pier 43 E. R.,

NEW-YORK.

Our Treenails are made from the BEST LONG ISLAND TIMBER.

 All Orders by Post Attended to with Dispatch. 

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Foreign Consuls.

Argentine Republic—E. F. Davison, C. G., 128 Pearl.
 Austria—Theodore A. Havemeyer, C. G.; H. O. Fritsch, C., 33 Broadway.
 Belgium—Charles Mali, 68 Worth.
 Bolivia—J. M. Munoz, 52 Pine.
 Brazil—Louis H. F. d'Aguiar, C. G., 150 Pearl.
 Chili—Stephen Rogers, 249 West Forty-second.
 Columbia—M. Salgar, C. G.; Moses Jesurd, V. C., 23 William.
 Costa Rica—A. C. Garsia, 76 Wall.
 Denmark—Henry Braem, C.; Thomas Schmidt, Sec., 52 Broadway.
 Santo Domingo—D. A. de Lima, 23 William.
 Ecuador—Jose Jerman Ribon, C. G., 52 Pine; Nicholas R. Ansado, V. C., 12 Old slip.
 France—A. L. de la Forest, C. G.; 4 Bowling Green.
 German Empire—J. Roesing, C. G.; F. Hinkle, C.; A. Feigel, V. C., 2 Bowling Green.
 Great Britain—E. M. Archibald, C. G.; Pierrepont Edwards, V. C., 17 Broadway; Gilbert Fraser, 2d V. C., 29 Broadway.
 Greece—D. N. Botassi, C. G., 56 Stone.
 Guatemala—B. Blanco, C. G., 13 South William.
 Hayti—C. A. Van Bokkelen, 29 Front.
 Hawaiian Islands—S. U. F. Odell, C. G., 24 Beaver.
 Honduras—E. G. Squier, R. M., 4 E. 27th.
 Italy—Ferdinando de Luca, C. G.; A. P. Bajnotti, V. C., 7 Broadway.
 Japan—Vetcooke Tornita, V. C., 45 & 47 Exchange Place.
 Mexico—Juan N. Navarro, C. G., 52 Exchange Place.
 Monaco—A. Jacquernin, 4 Bowling Green.
 Netherlands—R. C. Burlage, C. G., 45 Exchange Place.
 Nicaragua—Alexander J. Cotheal, C. G., 59 William.
 Norway—C. Bors, 18 Exchange Place.
 Peru—J. C. Tracy, 39 Broadway.
 Paraguay—Rafael Ro Barthold, C. G., 40 Stone; R. Mulloney, V. C., 91 Wall.
 Portugal—G. Amsinck, 148 Pearl.
 Russia—Waldemar de Bodisco; R. Schultz, V. C., 52 Exchange Place.
 Salvador—Jose Jerman Ribon, 52 Pine.
 Spain—Hipolite de Uriarte, C. G.; F. Granados, V. C., 20 Broadway.
 Sweden—C. Bors, 18 Exchange Place.
 Switzerland—J. Bertschmann, 60 Wall.
 Turkey—C. Oscanyan, C. G., 122 Front.
 Uruguay—Edwin C. B. Garsia, C. G.; A. D. Valentin, V. C., 76 Wall.
 Venezuela—H. R. Jany, 24 Broadway.

Telegraph Companies.

Am. Dist. Tel. Co.—62 Broadway.
 Am. Atlantic Cable Tel. Co.—35 Wall.
 Atlantic & Pacific—198 B'way & 11 Broad.
 Automatic—66 Broadway.
 Automatic Signal—42 Pine.
 Commercial Printing—35 Ann.
 Erie Railway—8th ave. cor 23d.
 Franklin—11 Broad.
 Gold & Stock—61 Broadway.
 International Ocean—88 Liberty.
 Manhattan—122 Front.
 Southern & Atlantic Tel. Co.—51 New.
 Western Union—145 Broadway.

Express Companies.

Adams Express Co.—59 Broadway.

American—115 Broadway.
 Central—59 Broadway.
 Davenport, Mason & Co.—65 Broadway.
 Del. & Hudson Canal Ex. Co.—65 B'way.
 Del. Lack. & Western—23 College pl.
 Flushing & North Side—82 Broadway.
 Long Island—Foot of James slip.
 National—65 Broadway. [Canal.
 N. Y. & Boston Dispatch Ex. Co.—313
 N. Y. & Eastern States Ex. Co.—32 West
 Broadway.
 New-Jersey—59 Broadway.
 Philadelphia & Reading R. R. Ex. Co.—
 22 College Place.
 South Side R. R. of L. I.—Pier 31, E. R.
 United States—82 Broadway.
 Virginia & Tenn. Air Line—303 B'way.
 Wells, Fargo & Co.—84 Broadway.

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, France.—Continued.

DAHOUET: Expenses of a vessel of 22 tons register, ballast in, drawing 5 feet of water, and cargo out, drawing 8 feet, were only about \$3.84, including pilotage, harbor dues, bill of health, etc.

ST. BRIEUC: Charges on a vessel of 32 tons register, ballast in and cargo out, drawing 9 feet:	Fr.	Cent.
Brokerage out.....	24	00
Manifest, 75 cent.; passport, 1 fr.....	2	75
Tracking.....	6	00
Discharging 15 tons ballast.....	12	00
	44	75

(About \$8.11.)

BINIC: The only charge is 5 fr., for anchorage dues. Casting away ballast, 1 fr. per ton.

PAIMPOL: Expenses of a smack of 32 tons register, ballast in and cargo out, drawing 9 feet:	Fr.	Cent.
Sanitary dues, 3 fr. 20 cent.; passport, 2 fr.....	5	20
Permit, discharging ballast, 60 cent.; to load, 60 cent.....	1	20
Clearance at Customs.....	6	00
Discharging 15 tons ballast.....	9	50
Pilotage in and out.....	20	00
	41	90

(About \$8.08.)

PONTRIEUX RIVER AND PORT: Dues and charges on a vessel of 148 tons register, cargo in and ballast out:	Francs.
Pilotage in and out.....	65
Ballast, 1 fr. per ton.....	50
Custom House charges.....	18
Discharging coal (laborage).....	70
	203

(About \$38.72.)

TREGUIER: Dues and charges on a brig of 175 tons register, cargo in, drawing 10½ feet, ballast out:	Fr.	Cent.
Pilotage to the sea.....	32	00
" across the bar, inward.....	45	25
Quay dues.....	101	59
Passport.....	2	00
Ballast, 120 tons.....	60	00
Brokerage on freight, 2 per cent.....	171	80
Pilotage out.....	51	48
Health dues.....	19	80
	483	92

(About \$91.96.)

PERROS: Expenses of a vessel of 48 tons register, ballast in and cargo out	Fr.	Cent.
Translating manifest.....	3	00
Pilotage (when required), 26 cent. per ton.....		
Customs dues, etc.....	8	80
Discharging ballast, 25 tons.....	14	50
Labor, 2 fr. per day.....		

Iron Founders.—Continued.

PORTLAND MACHINE WORKS (see page 42), 215	
Commercial.....	Portland, Me
GODWIN T. W. & CO. Water cor Madison.....	Norfolk
MILLER, KELLY & HUGHES (see page 392), E. Bay	
cor Pinckney.....	Charleston
SMITH & VALK (see page 392), e end Hasel.....	"

*** Iron, Plate and Sheet.**

PHELPS, DODGE & CO. (see front cover) Cliff bet John	
& Fulton.....	New-York

Iron Strop Blocks.

BEYEA BENJAMIN (see page 180), 89 West.....	New-York
---	----------

Iron Tackle Blocks.

VAN WART & McCOY, 134 Duane.....	New-York
----------------------------------	----------

Jewelry.

JOHNSTON J. H. (see page opp back paster) Bowery cor	
Broome.....	New-York

Junk Dealers.

Briggs J. U.....	Bangor, Me
O'Conner Michael.....	" "
Monroe Charles.....	Bath, "
Thombs C. R.....	Belfast, "
Newbegin F.....	Biddeford, "
Wedgwood C. J.....	" "
York Abram.....	Brunswick, "
Grant Harry C.....	Calais, "
Doyle Peter.....	Eastport, "
Robertson James.....	" "
Silvester E.....	" "
Jack W. C. & Co.....	Gardiner, "
Partridge Jesse.....	" "
Slattry Patrick.....	Lewiston, "
Wright Robert.....	" "
Beaman William E.....	Portland, "
Crosby A. G. 3 Portland pier.....	" "
Davis Bros.....	" "
Davis Charles K.....	" "
Hill Bros. 81 Green.....	" "
Kimball & Brown.....	" "
Libby H. T. 1 Portland pier.....	" "
Littlejohn Nathan, 58 Commercial.....	" "
Lunt A. F. & Co. 210 Fore.....	" "

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Cabooes and Galley Outfits.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Joseph W. Duryee,

WHOLESALE AND RETAIL DEALER IN

LUMBER AND TIMBER.

A large supply of LUMBER constantly on hand for Shipping.

No. 258 Cherry Street,

Rutgers Slip,

Shippers Supplied.

NEW-YORK.

MARTIN & GRANT, SPAR MAKERS,

Yard, FOOT OF WASHINGTON ST.,

South of Morris Canal,

JERSEY CITY.

Spars of all kinds sold in the rough or finished in the neatest manner.

DAVID J. TAFF, SPAR MAKER,

Yard, Foot of Quay Street,

Greenpoint,

LONG ISLAND.

Masts and Spars of all descriptions made to order, or furnished in the rough, Wholesale and Retail.

BENJAMIN BEYEA, BLOCK and PUMP MAKER

AND MANUFACTURER OF

INSIDE IRON STROP BLOCKS,

No. 72 WEST STREET, NEW-YORK.

 STEAMBOATS' STEERING APPARATUS MADE AND REPAIRED.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Junk Dealers.—Continued.

McEwen George.....	Portland, Me
Pike Samuel H. & Co. 1 Union.....	" "
Pratt Joel D.....	Ligonía Village, " "
Sampson Micah, 20 Commercial whf.....	" "
Shea William, Portland pier.....	" "
Thurston E. 4 Portland pier.....	" "
Unwin George, Kennebec ft Myrtle.....	" "
Valentine & Paine.....	" "
Woodman N. M. 19 Long whf.....	" "
Hamilton & Kalloch.....	Rockland, "
Leighton & Drake.....	" "
Richardson J. R.....	" "
Gould E. L. & Co.....	Saco, "
Coleman J. L. O.....	Portsmouth, N. H
Dodge J. Howard.....	" "
Bagg & Wright, 363 Commercial.....	Boston
Ballou G. & A. 285 Commercial.....	"
Comey S. A. 280 Commercial.....	"
Dunbar & Titcomb, 281 Commercial.....	"
Howe John, 286 Commercial.....	"
Langan & Gee, 320 Commercial.....	"
McGlinn John E. 369 Commercial.....	"
Murphy D. & Son, 313 Commercial.....	"
Norton Michael, 499 Commercial.....	"
Wiggin & Robinson, 391 Commercial.....	"
Pryal Peter, South Water.....	Providence, R. I
Brownell E. P.....	Bristol, "
Barlow Frederick N. & Son.....	Newport, "
Cummings D. L.....	" "
Godfrey E.....	Pawtucket, "
Buchanan Thomas, 7 A.....	Providence, "
Hagan Joseph, 281 Dyer.....	" "
Hunt Joshua, 2 Sabine cor Cove.....	" "
Madell James B. 325 S. Main.....	" "
Miller Thomas, 65 Langley.....	" "
Perkins F. E. 33 Grove.....	" "
Perry W. H. 134 Dorrance.....	" "
Peterson C. T. 440 S. Main.....	" "
Walton William.....	Westerly, "
Mee John.....	Woonsocket, "
Carberry Edmund.....	Bridgeport, Ct
Doran Alexander.....	" "
Calender L. & Co.....	Hartford, "
Herletschek Marcus.....	" "
Lee Jeremiah.....	" "
Dickinson & Co. 180 Elm.....	New-Haven, "
Nugent Peter.....	" "

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Port Charges, France.—Continued.

HONFLEUR: Port charges on an English ship of 100 tons register, loaded:

	Fr.	Cent.
Health dues.....	10	00
Life-boat dues.....	5	00
Pilotage in.....	27	05
Pilotage out (in ballast).....	13	55
40 tons ballast, at 1 fr. 10 cent.....	44	00
Brokerage on 140 tons, at $\frac{1}{2}$ fr. per ton.....	70	00
	169	60

(About \$32.76.)

Half this rate charged going out, if loaded; if in ballast, nothing.

TROUVILLE: Charges on a brig of 168 tons register (carrying 234 tons dead weight), cargo in and ballast out, drawing 12 feet loaded:

	£	s.	d.
Pilotage in, 33s. 10d.; out, 22s. 6d.....	2	16	4
Help-boat, 12s. 10d.; haulers inward, 9s.....	1	1	10
Bridgemen, 5s. 2d.; help-boat out, 9s. 8d.....		14	10
Bill of health and passport.....		15	
Ballast, 40 tons, at $7\frac{1}{2}$ d.....	1	5	
	£6	13	

(About \$32.16.)

CAEN: Expenses of a vessel of 100 tons register:

	Fr.	Cent.
Pilotage inward loaded } half these rates in ballast {.....	31	60
“ outward “ }.....	22	80
Horses, towing up and down.....	20	00
Passport.....	1	95
Sanitary dues.....	10	00
Tow-boat (140 tons cargo), 56 fr. (to the vessel).....	28	00
	114	35

(About \$21.18.)

HARFLEUR: It is only frequented by small vessels, chiefly engaged in the coasting trade.

CAUDEBEC is only visited by vessels of about 100 tons register. The port is safe and commodious.

ELBEUF is only frequented by small vessels of 100 tons.

QUILLEBEUF: Port charges about the same as Rouen.

ROUEN: Port dues and charges on a vessel of 143 tons register, cargo in and out:

	Fr.	Cent.
Pilotage from sea to Villeguier.....	77	65
“ “ Villeguier to Rouen.....	45	55
Medical fee, 1 fr.; postage, 2 fr.....	3	00
Steam-tug in, at 1 fr. 25 cent. per ton.....	179	40
(The full rate is 2 fr. 50 cent., but only half is payable by the vessel.)		
Harbor Master, 1 fr.; stamps and petty expenses, 4 fr. 75 cent.....	5	75
Brokerage inward.....	60	00
“ outward.....	40	75
Commission on outward freight.....	29	50
Custom House charges.....	21	60
River and harbor dues.....	12	80

476

(About \$91.50.)

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Junk Dealers.—Continued.

Barry & Co.....	New-London, Ct
Bates J.....	Norwich, "
Pratt Patrick.....	" "
Bill A. W.....	Willimantic, "
Ash John A. 5 Franklin mkt.....	New-York
Barrett Richard, 646 Greenwich.....	"
Biggin Patrick, 85 Tompkins.....	"
Blake & Mahony, 90 Laight.....	"
Bonner John, 114 Baxter.....	"
BORNSTEIN ELIAS, 43 Ann.....	"
Boyce James, 97½ Baxter.....	"
Brady James, 46 Jay.....	"
Brown James, 541 E. 13th.....	"
Burk James, 420 W. 17th.....	"
Burns Michael, 588 Washington.....	"
Burns Thomas, 193 South.....	"
Burrows John, 10 Ninth ave.....	"
Campbell Alexander, 423 E. 18th.....	"
Campbell Daniel, 95 Baxter.....	"
Canavan Cornelius, 118 Baxter.....	"
Carey Thomas M. 589 Greenwich.....	"
Carroll John, 246 Stanton.....	"
Carroll Michael, 41 Baxter.....	"
Carroll Richard, 80 Jackson.....	"
Cavannagh Patrick, 31 Ludlow.....	"
Ceray George, 644 Greenwich.....	"
Clancy Patrick, 159 Leonard.....	"
Clare John, 38 Frankfort.....	"
Clark Michael & Bros. 35 Spring.....	"
Conaughty Charles, 563 First ave.....	"
Corrigan Patrick, 700 Second ave.....	"
Costello Lawrence, 25 Thames.....	"
Courtney Patrick, 339 E. 21st.....	"
Crolley John, 91 Montgomery.....	"
Crosson Anthony, 77 Baxter.....	"
Cusick John, 342 West.....	"
Daly Daniel, 366 Water.....	"
Daly John, 414 W. 17th.....	"
Delahunt John, 19 Jackson.....	"
Desmond Ellen, 604 Water.....	"
Desmond John, 607 W. 45th.....	"
Devine John, 433 E. 18th.....	"
Doherty Patrick, 35 Sullivan.....	"
Dolan John, 507 W. 28th.....	"
Donovan Daniel, 102 Market.....	"
Donovan Timothy, 172 South.....	"
Dorsay John, 161 and 165 Worth.....	"

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

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John C. Giffing, Ag't, 31 South St., N. Y.

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Offices, 5 & 7 South William St., New-York.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

HELL GATE PILOTAGE FEES.

SHIPS, BARKS, AND STEAMERS,
1500 TONS AND UNDER.

Feet.	Riker's Island, at \$2.25.	Sand's Point, at \$3.00.
10	\$22 50	\$30 00
11	24 75	33 00
12	27 00	36 00
13	29 25	39 00
14	31 50	42 00
15	33 75	45 00
16	36 00	48 00
17	38 25	51 00
18	40 50	54 00
19	42 75	57 00
20	45 00	60 00
21	47 25	63 00
22	49 50	66 00
23	51 75	69 00
24	54 00	72 00
25	56 25	75 00

All vessels over 1500 tons, \$2.50 per foot.

SHIPS, BARKS, AND STEAMERS,
1000 TONS AND UNDER.

Feet.	Riker's Island, at \$2.00.	Sand's Point, at \$2.75.
8	\$16 00	\$22 00
9	18 00	24 75
10	20 00	27 50
11	22 00	30 25
12	24 00	33 00
13	26 00	35 75
14	28 00	38 50
15	30 00	41 25
16	32 00	44 00
17	34 00	46 75
18	36 00	49 50
19	38 00	52 25
20	40 00	55 00
21	42 00	57 75

Winter pilotage, \$3 additional.

BRIGS, STAYSAIL AND TOPSAIL
SCHOONERS.

Feet.	Riker's Island, at \$1.75.	Sand's Point, at \$2.50.
5	\$8 75	\$12 50
6	10 50	15 00
7	12 25	17 50
8	14 00	20 00
9	15 75	22 50
10	17 50	25 00
11	19 25	27 50
12	21 00	30 00
13	22 75	32 50
14	24 50	35 00
15	26 25	37 50
16	28 00	40 00

All Government vessels, \$7.50 per foot.

SLOOPS AND SCHOONERS, FORE
AND AFT.

Feet.	Riker's Island, at \$1.25.	Sand's Point, at \$2.00.
5	\$6 25	\$10 00
6	7 50	12 00
7	8 75	14 00
8	10 00	16 00
9	11 25	18 00
10	12 50	20 00
11	13 75	22 00
12	15 00	24 00
13	16 25	26 00
14	17 50	28 00
15	18 75	30 00

Winter pilotage, \$2 additional.

Marine Insurance Companies.

Atlantic Mutual, 51 Wall.
Commercial, 57 William.
Great Western, 50 Wall.
Mercantile Mutual, 35 Wall.
New-York Mutual, 61 William.

Orient Mutual, 43 Wall.
Pacific Mutual, 119 Broadway.
Sun Mutual, 37 Wall.
Union Mutual, 63 William.
United States Lloyds, 52 Wall.

**Tarr & Wonson's Patent Copper Paints, the only
reliable. John C. Giffing, Ag't, 31 South St., N. Y.**

Baltimore Copper Paint is equal to any in use.

Port Charges, France.—Continued.

PONT AUDEMER: Expenses of a vessel of 58 tons register (100 tons burden), coals in and ballast out, drawing 8½ feet:

	Fr.	Cent.
Pilotage in (from Berville).....	18	00
Horses, tracking.....	31	70
Custom dues.....	8	00
Pilotage out (to Berville).....	5	20
	62	90

PORT-EU-BESSIN: Charges on a vessel of 148 tons register (250 tons burden), entering loaded, drawing 12 feet; leaving in ballast, drawing 6½ feet:

	Fr.	Cent.
Pilotage, in and out.....	65	
Ballast, 1 fr. per ton.....	50	
Custom House dues.....	18	
Laborage, discharging coal.....	70	
	203	

(About \$39.32.)

CARENTAN: Dues and charges on a schooner of 92 tons register, cargo in and ballast out:

	Fr.	Cent.
Pilotage, in.....	29	00
“ out.....	19	30
Towage up the river, by horses.....	16	00
Port dues.....	12	00
	76	30

(About \$14.76.)

Ballast, 1 fr. per ton.

ST. VAAST: The only charge is ¼ fr. per ton register. (About 9 cents.)

CHERBOURG: Port charges on a vessel of 100 tons:

	Fr.	Cent.
Port dues.....	110	00
Entry.....	2	00
Clearance.....	50	
Passport (once a year).....	1	50
Bridgemen.....	3	00
	117	00

(About \$22.76.)

Pilotage, 50 cent. per ton; towage in, 40 fr.; ballast, 50 cent. per ton; Cook House, 50 cent. per day; health dues, 10 cent. per ton.

ST. MALO: Expenses of a vessel of 162 tons register, with coal from Cardiff, drawing 13 feet of water:

	Fr.	Cent.
Pilotage in, 25 cent. per ton register from Cape Frehel.....	40	50
Steam-tug, “ “ “ “ the roads.....	40	50
Customs dues, passport, bill of health, etc.....	18	50
Anchorage dues.....	8	10
Ballast, 1 fr. per ton, 80 tons.....	80	00
Cook House, 50 cent. per day, 14 days.....	7	00
Assistance-boat (two men).....	5	00
Pilotage to sea, 15 cent. per register ton.....	24	30
	223	90

(About \$43.28.)

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Junk Dealers.—Continued.

Duffy Michael, 315 Delancey.....	New-York
Duffy Owen, 546 W. 36th.....	"
Dunn John, 10 South.....	"
Emmet Charles J. 324 Pearl.....	"
Falvey John, 52 Thompson.....	"
Finnegan Patrick, 516 W. 29th.....	"
Fitzgerald Thomas, 34 Old slip.....	"
Foley Thomas, 24 Morris.....	"
Frank Henry, 367 E. Houston.....	"
Fryer Patrick, 264 Spring.....	"
Geists J. & I. 84 Pike.....	"
Gilday Patrick, 171 Christopher.....	"
Gray Stephen, 403 E. 17th.....	"
Griffin James, 76 Baxter.....	"
Griffin Patrick, 78 Baxter.....	"
Hand James, 553 W. 49th.....	"
Hanley John, 335 Ave A.....	"
Harrington Daniel, 75 Baxter.....	"
Harrison John jr. 157 South.....	"
Hays Patrick, 370 South.....	"
Hayward David, 327 E. 33d.....	"
Hermin Martin, 56 South.....	"
Hester Richard, 9 Elizabeth.....	"
Horrigan John, 448 W. 27th.....	"
Hunt P. & Son, 17 Ann.....	"
Jacob John, 46 Hudson.....	"
Kane Nicholas, 171 South.....	"
Keahon John, 435 W. 16th.....	"
Keegan Patrick, 429 E. 13th.....	"
Kehoe Patrick, 605 E. 13th.....	"
Kelly James, 682 Water.....	"
Kelly John, 44 Canal.....	"
Kelly John, 646 E. 13th.....	"
Kerr James, 144 W. 52d.....	"
King William, 446 W. 39th.....	"
Lamb Thomas, 89 Pike.....	"
Lucovich Charles, 381 Water.....	"
Lyons Thomas, 69½ Watts.....	"
McCann Patrick, 515 E. 13th.....	"
McConlogue William, 47 Grand.....	"
McCorry John, 13 Carlisle.....	"
McCoy John H. 462 W. 35th.....	"
McCarn James, 299 Monroe.....	"
McDonald Daniel jr. 508 Water.....	"
McDonald John, 413 Washington.....	"
McGinn James, 411 W. 36th.....	"
McGinn John, 144 Sullivan.....	"

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BOSTON.—Jos. W. Balch, G. M. Barnard & Co.

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Boston and Philadelphia Underwriters.

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Norwegian and Danish Underwriters.

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Also to represent for this district, excepting the City of New-York.

Det norske Lloyd at Porsgrund, Norway. Skibsassuranceforeningen at Christiania, Norway.

JACOB R. TELFAIR,
56 WALL STREET.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Junk Dealers.—Continued.

McGinness Owen, 312 E. 11th.....	New-York
McGinty Hugh, 408 Tenth ave.....	"
McGlynn Thomas, 425 E. 13th.....	"
McGovern Terence, 14 Marion.....	"
McGuire Michael, 102 Tenth ave.....	"
McGuire Patrick, 629 E. 12th.....	"
McIntee John, 82 Centre.....	"
McIntyre John, 305 E. 32d.....	"
McKnight Peter, 288 Front.....	"
McMahon Andrew, 191 South.....	"
McMann Hugh, 455 W. 16th.....	"
McNally Patrick, 419 First ave.....	"
McQuade Patrick, 160 W. 17th.....	"
McQuade & Bro. 535 E. 13th.....	"
Mahoney Mortimer, 105 Broad.....	"
Malone John, 429 E. 13th.....	"
Mannix John, 80 James.....	"
Markham S. & Son, 170 South.....	"
Martin Thomas, 60 Harrison.....	"
Meehan Michael, 279 Monroe.....	"
Merry Patrick, 121 W. 30th.....	"
Moras Mary, 211 Elizabeth.....	"
Murphy Martin, 54 Spring.....	"
Murray Patrick, 103 Worth.....	"
Murray Patrick, 255 Delancey.....	"
Neary Luke, 346 E. 22d.....	"
O'Brien John, 79 Rutgers.....	"
O'Brien Patrick, 110 Ludlow.....	"
O'Connell, John, 166 Maiden lane.....	"
O'Connor Patrick, 525 Broome.....	"
O'Connor William, 2 Pike.....	"
O'Keefe Francis, 54 West.....	"
O'Shaughnessy James, 11 Clarke.....	"
Purcell Patrick, 455 W. 15th.....	"
Quirk James, 16 Carlisle.....	"
Reynold Martin, 258 Spring.....	"
Roche Patrick, 83 Pike.....	"
Ryan Lawrence, 74 Baxter.....	"
Sarsfield Patrick, 20 Morris.....	"
Savage James, 388 and 410 Seventh ave.....	"
Schults Jacob, 23 Hudson.....	"
Shanny Andrew, 413 West.....	"
Shea Cornelius, Worth nr Baxter.....	"
Shea Daniel, 515 Seventh ave.....	"
Shea Mortimer, 42 Mulberry.....	"
Sheehy Patrick, 484 Broome.....	"
Shey Michael, 73 Baxter.....	"

Baltimore Copper Paint is unsurpassed.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, France.—Continued.

ST. SERVAN : Dues and charges on a vessel of 76 tons register, cargo in and out, drawing 10 feet :

	£	s.	d.
Pilotage, in and out.....	2		
Steam-tug.....	2		
Brokerage, $7\frac{1}{2}$ d. per ton.....	3	14	2
Cook House, 1 fr. per day.....		5	
Sanitary dues, 1d. per ton.....		6	4
Harbor dues, $\frac{1}{2}$ d. per ton.....		3	2
	£8	8	8

(About \$40.80.)

MORLAIX : Charges on a vessel of 85 tons register, ballast in and cargo out, drawing 10 feet loaded :

	Fr.	Cent.
Pilotage in.....	27	80
Haulers up.....	0	60
Customs dues.....	10	50
Pilotage out.....	35	90
Brokerage.....	48	30
	128	50

(About \$24.80.)

Broker's charge on inward cargo, 3 per cent on amount of freight.

LANDERNEAU : Dues and charges on a vessel of 66 tons register (114 tons burden), drawing 10 feet :

	Fr.	Cent.
Pilotage, Brest to Landerneau.....	14	00
Entry.....	12	00
Health dues and pass.....	8	70
Brokerage, 114 tons, at 50 cent.....	57	00
Ballast, 40 tons, at 1 fr. 15 cent.....	46	00
Pilotage from Landerneau to Brest.....	14	00
	151	70

(About \$29.04.)

Laborage, 3 fr. per day ; ditto, tracking, 1 fr. each, but only come about a mile below Landerneau.

REDON : Dues and charges on a schooner of 88 tons' register. Cargo inward, 150 tons coals ; outward, 80 tons pitwood.

	Fr.	Cent.
Pilotage from Trehiguier to Roche Bernard.....	8	50
“ “ Roche Bernard to Redon.....	21	85
Pilot boat.....	5	00
Tracking inward.....	8	00
Sanitary dues.....	9	70
Passport and manifest.....	7	00
Pilotage out.....	54	31
Tracking outward.....	16	00
Brokerage, in and out.....	20	00
	\$150	36

(About \$29.04.)

Labor, 3 fr. per day.

Junk Dealers.—Continued.

Sinnott James, 722 Washington.....	New-York
Smith Thomas, 75 Pike.....	"
Sullivan Cornelius, 11 Coenties slip.....	"
Sullivan Cornelius, 89 Market.....	"
Sullivan Dennis, 341 West.....	"
Sullivan Timothy, 29 Old slip.....	"
Sweeney James, 279 Spring.....	"
Tobin Richard, 85 West.....	"
Vonstein Eli, 19 Ann.....	"
Wolf John, 344 W. 52d.....	"
Wolff H. 119½ Division.....	"
Ashworth Henry, 2152 Ridge ave.....	Philadelphia
Baker Charles, 152 Green.....	"
Becker Joseph, 612 Jefferson.....	"
Beesby William, 607 S. 3d.....	"
Boawick John, 704 Dickinson.....	"
Boso Mary, 517 Norris.....	"
Bradley Rose, 1133 Christian.....	"
Brenner John, 320 E. Dauphin.....	"
Burke Martin, 608 Beach.....	"
Callahan William, 1816 South.....	"
Carson Harbit J. 528 Penn.....	"
Cook Alexander, 1842 Ridge ave.....	"
Coyle James M. 528 N. 5th.....	"
Cunliffe Robert M. 5 Poplar.....	"
Danahy Dennis, 711 Bainbridge.....	"
Dawson Daniel, 827 Carpenter.....	"
Dennison James, 766 S. 6th.....	"
Dolan James, 1328 Bainbridge.....	"
Donahue John, 1345 Alder.....	"
Fischer George, 1034 N. 4th.....	"
Fitzsimons Christopher, 504 Penn.....	"
Fleig Charles, 322 Thompson.....	"
Fleming John, 152 N. Broad.....	"
Flickinger J. G. & Co. S. 15th cor Washington ave.....	"
Foy James, 1822 Fitzwater.....	"
Fraley Stephen C. 515 Richmond.....	"
Freeley John W. 1611 Thompson.....	"
Gaffney Mary, N. Water cor Callowhill.....	"
Hales William, 1600 S. 2d.....	"
Harris William, 1130 S. Front.....	"
Harrison William, 2019 N. Front.....	"
Hennessy Dennis, 1232 Bainbridge.....	"
Henning Daniel, 847 N. 4th.....	"
Henzel John, 325 Brown.....	"
Higgins William, 1313 N. Front.....	"
Holmes Thomas, 2315 Walnut.....	"

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Rates of Marine Insurance to and from New-York.

CORRECTED MAY 1st, 1875.

	Per Cent.	
	Sail.	Steam.
Atlantic ports, to or from ports in Europe not in the Northern Sea.....	1	a 2½
Ditto and back in the United States.....	4	a 5
Dry Goods, home.....	1	a 1½
Hardware, home.....	1½	a 2
Ditto in the Northern Sea.....	1½	a 2½
Africa, to or from, trading voyages.....	2	a 4
Ditto out and home.....	6	a 8
Apalachicola, to and from.....	1½	a 2½
Bermuda, to and from.....	1	a 1
Brazils, to or from, except Rio Janeiro.....	1	a 1
Buenos Ayres, direct.....	2	a 2½
Montevideo.....	1½	a 2
Bahamas, to or from.....	2	a 2½
Batavia or any port in the Indian Ocean.....	2½	a 3
Ditto out and home.....	5	a 6
Cuba, any one port.....	1½	a 2½
Calcutta, out.....	3	a 3½
Ditto, out and home.....	6	a 8
Cadiz.....	1½	a 2½
Charleston and Savannah, on cotton.....	¾	a 1½
Ditto, on other general merchandise.....	1	a 1½
Darien, to or from.....	2	a 4
Denmark.....	1½	a 2½
Gibraltar.....	1½	a 2½
Halifax, to or from.....	1½	a 2½
Havre, to or from.....	1	a 2½
Honduras, to or from.....	2	a 4
Laguayra.....	1½	a 2
Lisbon, to or from.....	1½	a 2½
Madeira, Western, or Cape de Verd Islands.....	2	a 2½
Ditto, out and home.....	4	a 5
Malaga.....	1½	a 2½
Trieste.....	4	a 6
Ditto and back to the United States.....	2½	a 3
Manila, out and home.....	1½	a 2½
Mobile.....	1½	a 2½
New-Orleans.....	1½	a 2½
From Mobile, cotton.....	1½	a 1
New-Orleans to ports in Europe not in the North Sea.....	1½	a 2½
Grain.....	1	a 3
Ocracoke Bar (over).....	1	a 1½
Porto Cabello.....	1½	a 2
Rio Janeiro.....	1½	a 2
Russia, different seasons.....	2	a 6
St. Domingo, out or home.....	2	a 2½
Smyrna or Constantinople.....	2	a 3
Spanish Main, any one port, or between the Oronoco and the Sabine.....	2	a 2½
Ditto, out and home.....	4	a 4½
Specie, by steamers, from San Francisco, via Aspinwall or Nicaragua.....	2½	a 3
Sumatra, ports, to or from.....	1½	a 2½
St. Croix and St. Thomas, to or from.....	2	a 4
Sweden.....	2	a 3
Turk's Islands.....	2½	a 3
Valparaiso, out or home.....	5	a 6
Ditto, out and home.....	2	a 2½
Vera Cruz.....	3	a 4
Tampico, etc.....	2½	a 4
West Coast of South-America, not north of Panama.....	1	a 1½
Wilmington, N. C., to or from.....	8	a 11
To the coast of Patagonia.....	6½	a 7
To the Pacific, voyage round.....	1½	a 2½
Windward Islands.....	3	a 5
Ditto, out and home.....	4	a 4½
California.....	4½	a 5
Oregon.....		

COASTWISE RISKS.

To or from ports in Maine or New-Hampshire.....	¾	a 1½	¾	a ...
Ditto in Massachusetts.....	¾	a 1½	¾	a ...
Ditto in Rhode-Island and Connecticut.....	¾	a 1½	¾	a ...
Ditto in Chesapeake Bay.....	¾	a 2	¾	a ½

VESSELS ON TIME.

Employed in coasting trade U. S.....	12	a ...	a ...
In European, East-India, and California trade.....	12	a ...	a ...

In all cases in which the above rates are charged, the grain clause is inserted, and Texas (except the port of Galveston), Mexico, and Yucatan, are excepted.

Vessels are not allowed to use any of the guano islands, nor load petroleum oils in barrels, nor lime under deck.

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Port Charges, France.—Continued.

NANTES: Charges on a schooner of 144 tons register, inward, with a cargo of 243 tons coals, from Sunderland; outward, in ballast. Draught of water in, 12 feet; out, 7 feet:

	Fr.	Cent.
Quarantine boat at St. Nazaire.....	14	40
Pilotage from sea to Paimbœuf.....	138	70
“ “ Paimbœuf to Nantes.....	47	80
Entry of vessel, 12 fr.; harbor office, 1 fr. 20 cent.....	13	20
Laborers, discharging cargo.....	55	00
Mooring the vessel.....	6	00
Postages.....	1	60
Ballast, 8 boat-loads, 4 fr. (say 56 tons).....	32	00
Pilotage from Nantes to Paimbœuf.....	42	80
“ “ Paimbœuf to Tours.....	28	20
Passport, 2 fr.; clearing out, 12 fr.....	14	00
Cocket stamps.....	2	25
Manifest.....	3	00
Brokerage in on 243 tons, at 50 cent.....	121	50
	520	47

(About \$98.50.)

ST. NAZAIRE: Dues and charges on British bark of 347 tons register, from Havana, with a cargo of sugar, and bound to England in ballast:

	Fr.	Cent.
Pilotage from Belle Isle to St. Nazaire.....	145	30
Towage from Charpentiers to St. Nazaire.....	300	00
Quarantine fees.....	114	50
Surveyor's fees.....	48	50
Consul's fees.....	6	25
Entry of the vessel at the Custom House.....	18	00
Report made to the Custom House.....	6	00
Protest noted to the Tribunal of Commerce.....	28	90
Request to the Tribunal of Commerce for appointing surveyors.....	8	00
Pilotage from the road into the dock.....	20	00
Pilotage from the dock to the road.....	20	00
Inward brokerage on 390 tons for St. Nazaire, at 75 cent. per ton.....	292	50
Clearance of the vessel at the Custom House.....	12	00
Boat and men for towing the vessel into the dock.....	10	00
Tow-line dues in, 3 cent. per ton.....	10	44
Tow-line dues out, 2 cent. per ton.....	6	96
Manifest out.....	1	00
Ballast, 100 tons sand, 1 fr. 50 cent.....	150	00
Guard, 20 days, at 3 fr. per day.....	60	00
Pilotage out, from St. Nazaire to Pilier.....	33	60
	1291	95

(About \$248.28.)

PAIMBŒUF: Charges on a bark of 380 tons register, cargo in and ballast out, drawing 15 feet loaded:

	Fr.	Cent.
Pilotage from sea to St. Nazaire roads.....	161	47
“ “ St. Nazaire to Paimbœuf.....	44	75
Assistance boat, mooring ship.....	29	50
Steam-tug, from St. Nazaire to Paimbœuf.....	200	00
Clearing ship inward at Paimbœuf.....	12	00
Protest.....	6	00
Ballast, 240 tons, at 1 fr. 50 cent. per ton.....	360	00
Permit for landing goods.....	2	40
Pilotage out to Paimbœuf roads.....	20	00
Assistance boat, unmooring.....	20	00
Stamps, postages, and telegrams.....	13	75

Junk Dealers.—Continued.

Holzer Joseph, 1914 N. 4th	Philadelphia
Howard Norman C. 528 Lombard	"
Hunter John, 926 S. 17th	"
Hugg George C. 218 E. Girard ave.	"
Jeffers Samuel, 1175 S. 11th	"
Keenan Richard, 504 S. 16th	"
Kevitt James, 732 S. 7th	"
Keyser F. William, 1031 Jefferson	"
Kirchmann Henry, 523 N. 5th	"
Levi Nathan, 208 Norris	"
Lueders John F. 150 Brown	"
Luzkhardt Godfrey, 1919 Germantown ave.	"
McAleer Patrick, r 303 N. 16th	"
McAleer Roderick, 708 Bainbridge	"
McCloskey Patrick, 604 S. Delaware ave.	"
McCloskey Thomas, 1536 Lombard	"
McElroy Elizabeth, 924 Jefferson	"
McGinn Terence, 217 Thompson	"
McGrath Philip, 224 N. Front	"
McHugh James, 540 N. 24th	"
McTague William, 717 S. 11th	"
Madden Philip, 712 Bainbridge	"
Marsden Edward, 1728 S. 2d	"
Michael Meyer, 1024 Richmond	"
Millet John, Carpenter cor S. 6th	"
Moffatt George, 15 Queen	"
Morton & Greenwood, 614 S. 6th	"
Nace Joseph L. 639 Callowhill	"
O'Connor Patrick, 710 Bainbridge	"
Philips James, 625 S. 4th	"
Pollard John, 1633 Wood	"
Pope Frederick W. 543 Christian	"
Preston Jacob D. 2046 Fairmount av.	"
Ramscar Bridget, 822 S. Front	"
Rice Peter, 2034 Germantown ave.	"
Robinson John, 439 Christian	"
Rush Michael, 1116 Germantown ave.	"
Sebald August, 1427 Alder	"
Sleigh James, 250 N. Water	"
Sowers William H. N. 327 Brown	"
Spear John, 918 Brown	"
Swift William, 163 Jefferson	"
Tomlin Aaron S. 618 S. 3d	"
Truman James, 101 Tasker	"
Van Fleet Joseph, 609 N. 13th	"
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Entry of vessels of 100 tons and more.....	\$2 50
Clearance of vessels of 100 tons and more.....	2 50
Entry of vessels under 100 tons.....	1 50
Clearance of vessels under 100 tons.....	1 50
Post Entry.....	2 00
Permit to land or deliver goods.....	20
Bond taken officially.....	40
Debenture, or other official certificate.....	20
Bill of health.....	20
For recording bill of sale, mortgage, hypothecation, or conveyance of vessel, under Act of July 29th, 1850.....	50
For recording certificate for discharging and canceling any such conveyance.....	50
For furnishing a certificate setting forth names of owners of any registered or enrolled vessel, parts or proportions owned by each, and also material facts of any existing bill of sale, mortgage, hypothecation, or other incumbrance, the date, amount of such incumbrance, and from and to whom made.....	1 00
For furnishing copies of such records, for each bill of sale, mortgage, or other conveyance.....	50
Certificate of registry, or record.....	2 00
Indorsement on certificate of registry, or record.....	1 00
For every bond under the registry act.....	25
Certificate of enrollment.....	50
Indorsement on certificate of enrollment, change of Master, etc.....	20
License, and granting same, including bond, not over 100 tons.....	50
Over 100 tons.....	1 00
Indorsement on a license of change of Master, etc.....	20
Certifying manifest, and granting permit for <i>licensed</i> vessels to go from district to district, under 50 tons.....	25
Over 50 tons.....	50
Receiving certified manifest, and granting permit on arrival of such vessel, if over 50 tons.....	50
Certifying manifest, and granting permission to <i>registered</i> vessels to go from district to district.....	1 50
Receiving certified manifest, and granting permit on arrival of such registered vessel.....	1 50
Granting permit to a vessel, not belonging to a citizen of the U. S., to go from district to district, and receiving manifest.....	2 00
Receiving manifest, and granting permit to unload, for last-mentioned vessel, on arrival at one district from another.....	2 00
Services other than admeasurement to be performed by the Surveyor, in vessels of 100 tons and more, having on board merchandise subject to duty.....	3 00
For like services in vessels under 100 tons, having similar merchandise.....	1 50
For like services in all vessels not having merchandise subject to duty.....	66 3
Protection.....	25
Crew list.....	25
General permit to land passengers' baggage.....	20

NEWSPAPERS.

Albion, 14 S. William
Aldine, 58 Maiden lane
Daily Graphic, 41 Park pl
Day's Doings, 537 Pearl
Evening Post, Nassau cor Liberty
Evening Telegram, 2 Ann
Fireside Companion, 84 Beekman
Frank Leslie's Illustrated News, 537 Pearl
Harper's Weekly, 331 Pearl
N. Y. Clipper, Centre cor Leonard
" Commercial Advertiser, 126 Fulton
" Courier, 18 Ann
" Daily Bulletin, 5 S. William
" Daily News, 19 Chatham
" Despatch, 11 Frankfort
" Evening Express, 23 Park row
" Evening Mail, 34 Park row
" Herald, 220 & 1265 Broadway

N. Y. Journal of Commerce, 76 Beaver
" Ledger, 182 William
" Maritime Register, 73 William
" Mercury, 128 Fulton
" Produce Exchange Reporter, and Price Current, 32 S. William
" Times, 41 Park row.
" Tribune, 5 Spruce
" Weekly, 31 Rose
" Witness, 2 Spruce
Pomeroy's Democrat, 113 Nassau
Saturday Journal, 98 William
Spirit of the Times, 3 Park row
Sun, The, 170 Nassau
Sunday Mercury, 128 Fulton
Sunday Times, 12 Frankfort
World, The, 35 Park row
Wall Street Journal, 16 William

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Williams Solomon, 727 Cherry.....	"
Wood Michael F. 819 Bainbridge.....	"
Zeller Charles, 1228 N. 4th.....	"
Baker William, 92 Thames.....	Baltimore
Bartenbacker George P. 906 W. Pratt.....	"
Beckhart Abraham, 78 Pennsylvania ave.....	"
Birch Charles, 198 East.....	"
Blacklock Nicholas F. 116 Light st whf.....	"
Bohager Samuel, 14 Bank.....	"
Booz John J. 392 S. Caroline.....	"
Bowness Joseph, 42 Lemmon.....	"
Broderick John T. 69 and 86 Greenmount ave.....	"
Brown James H. 131 McElderry's whf.....	"
Buck Joseph A. 100 Light st whf.....	"
Cole George W. Wilcox nr Chase.....	"
Corum & Myers, 104 Dugan's whf.....	"
Finsterwold Henry, 264 S. Charles.....	"
Foxwell George B. 277 S. Charles.....	"
Gardiner Robert, 45 Thames.....	"
Hentz John J. 110 S. Charles.....	"
Hodges Thomas, 22 St. Peter.....	"
Horner Joshua, cor Chew & Stirling and 178 Forrest.....	"
Kempton Samuel C. & Co. 9 Water.....	"
Kroh George L. 222, 224 and 234 S. Bond.....	"
Kroh Sylvester L. 297 E. Lombard.....	"
Lowry John B. 104 S. Charles.....	"
Miskimon & Kesler, 97 McElderry's whf.....	"
O'Connor William & Co. 48 Thames.....	"
O'Neill John, 86 N. Fremont.....	"
Roby Charles J. 18 Thames.....	"
Rosenheim Gustav, 16 Lee.....	"
Secombe John H. C. Eden & Hampstead.....	"
Shannon David R. & Co. 34 & 36 Lee.....	"
Sheckells Richard W. jr. 188 Tyson.....	"
Smith John C. 80 N. Gay.....	"
Tumblinson C. W. 35 Hughes.....	"
Watkins Charles W. 2 E. Lombard.....	"
Wheatfield Levi, 42 Pennsylvania ave.....	"
Wheaton Albert B. 350 S. Caroline.....	"
Wheaton David L. 3 Wills.....	"
Whitaker Dorsey H. jr. cor Hillen & Chestnut.....	"
WOOLFORD & TYLER, 156 Light st whf.....	"
Hey C. H. 138 & 140 Water.....	Norfolk
Knott J. W. 5 Roanoke dock.....	"
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Port Charges, France.—Continued.

	Fr.	Cent.
Clearing out at Paimbœuf, 12 fr. ; manifest, 3 fr.....	15	00
Pilotage from Paimbœuf roads to sea.....	43	20
Brokerage at Paimbœuf, 504 tons, at 20 cent.....	100	80
Health Office.....	40	30
Clearance, in and out, at Nantes.....	24	00
Brokerage at Nantes, 504 tons, at 40 cent.....	201	60
Consul's fees.....	11	25
Stamps and manifest at Nantes.....	6	55
	1312	57

(About \$254.20.)

POINTE AUX HERBES: Charges on a vessel of 115 tons register, cargo in and ballast out, drawing 11 feet loaded :

	Fr.	Cent.
Brokerage inwards, 195 tons coal, at 50 cent.....	97	50
Health dues, 10 cent. per ton register.....	11	50
Passport.....	2	00
Pilotage, in and out.....	142	00
Ballast.....	10	00
	263	00

(About \$50.80.)

Brokerage on cargo outward, 25 cent. per ton ; laborage, 3 fr. 50 cent. per day.

LA ROCHELLE: Dues and charges on a vessel of 241 tons register, cargo of coals in and ballast out :

	Fr.	Cent.
Pilotage in (14½ feet).....	113	00
“ out (8½ feet).....	43	00
Assistance boat, four men.....	15	00
Declaration.....	12	00
Board of Health.....	24	10
Passport.....	2	10
Brokerage (50 cent. per ton of cargo).....	196	40
Seventy-two cart-loads ballast (88 tons).....	108	00
	513	60

Exchange at 25 fr. 15½ cent.

(About \$98.60.)

Laborage, 3 fr. to 3 fr. 50 cent. per day ; ballast, 1 fr. to 1 fr. 50 cent. per ton.

ROCHEFORT, TONNAY-CHARENTE: Expenses of a vessel of 97 tons register, cargo in (150 tons) and ballast out :

	Fr.	Cent.
Pilotage from sea to Rochefort (10 feet draught).....	69	00
“ through dock-yard.....	3	00
“ to discharging berth.....	9	00
Reporting and manifest.....	6	75
Health dues.....	9	70
Custom House dues.....	41	30
River dues, in and out.....	24	00
Ballast, 40 tons, at 1 fr. 50 cent.....	60	00
Pilotage to dock-yard (7 feet draught).....	9	00
“ through dock-yard.....	3	00
“ to Soubise.....	10	00
“ from Soubise to sea.....	40	00
Brokerage on cargo, at 75 cent.....	112	50
	397	25

(About \$77.28.)

If men are used to haul vessel through dock-yard they are paid 2 fr. each.

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Reid D. P. 276 Church.....	"
O'Connor John jr. County cor Crawford.....	Portsmouth, Va
Woodman J. W. 124 Crawford.....	" "
Blanche John, 26 Amherst.....	Charleston
Carroll Martin, 31 Elizabeth.....	"
Clagett C. E. & Co. cor Boyce's whf & E. Bay.....	"
Finegan George, 18 Market.....	"
Goldsmith Moses & Sons, Vendue Range.....	"
Healy J. cor Vanderhast's whf & E. Bay.....	"
Kenney J. J. 80 Spring.....	"
McCarthy Joseph, 27 State.....	"
Miller Edward, Exchange nr E. Bay.....	"
Morrissey Patrick, 110 King.....	"
Mulcahy John, bet Duncan & Calhoun.....	"
Sherry John, cor Corning & Radcliff.....	"
Slattery Patrick & Co. cor Exchange.....	"
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Kelly John, East Boundary nr Broughton.....	"
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NASH O. M. & D. W. (see page 38) 6 Exchange.....	"
APPLETON J. & E. (see page 114) 382 Commercial.....	Boston
Binney John, 124 Broad.....	"
CHASE F. D. (see page C, front fly-leaves) 221 Commercial..	"
Kenney & Co. 152 Commercial.....	"
Mason George H. & Co. 154 Blackstone.....	"
SARGENT, WILD & CO. (see page F, back fly-leaves) 42 & 44 Clinton.....	"
TUFTS BROS. (see page 100) 42 Sudbury.....	"
AIKMAN S. M. & CO. 261 Pearl.....	New-York
COFFIN PAUL C. & CO. (see page 142) 197 West....	"
Cook & Pisch, 78 Greene.....	"
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Surveys of shipping impartially made by its surveyors in all the home and foreign ports.

We would respectfully call attention to the fact that its proprietors obtained judgments in large amounts against the publishers of imitations, called the "Record," and the American Lloyds "Universal" Register; and they also beg to state that the Marine Department of the Gold and Stock Telegraph Company co-operated in utilizing this Register, as a base of information in the production of a Telegraphic Signal Code, in which code all vessels in the Register have a number assigned: this being the most simple and comprehensive system extant for day and night signals.

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PORTLAND—Charles Merrill, 117 Commercial.

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BELFAST—E. H. Herriman ; D. S. Goodell, assistant.

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BALTIMORE—Captain E. H. Sanford, 106 Thames.

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NEWBURYPORT—Captain G. L. Rogers.

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Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Lanterns, Ship.—Continued.

Miller Daniel D. 192 Water.....	New-York
Miller & Eastmead, 221 Pearl.....	"
PORTER WILLIAM'S SONS, 271 Pearl.....	"
SNELLING J. & CO. (see page 144) 158 South.....	"
Underhill Samuel B. 38 Dey.....	"
HOLMES THOMAS M. (see page 280) 307 Race.....	Philadelphia
SMULL D. C. (see side margin lines) 60 W. Pratt.....	Baltimore
WHITE E. V. & CO. (see page 360) 12 Commercial row...	Norfolk

*** Lanterns.***(Tubular.)*

DIETZ R. E. 54 & 56 Fulton.....	New-York
---------------------------------	----------

Lawyers.

DAVIS & RILEY (see page 314), 202 S. 5th.....	Philadelphia
---	--------------

Lead.

PHELPS, DODGE & CO. (see front cover) Cliff bet John & Fulton.....	New-York
---	----------

Life Boats and Rafts.*(Metallic.)*

INGERSOLL A. M. 156 South.....	New-York
--------------------------------	----------

Life Preservers.

Brown & Level Life Saving Tackle Co. 117 Wall.....	New-York
BURHANS & GEORGE (see page 252), 164 Maiden lane.....	"
GODFREY & BOYCE, 51 Fulton.....	"
Kahnweiler David, 120 Centre.....	"
SPARKMAN & CO. 68 Beekman.....	"

Lighters.

Beasley Lester W. 145 Maiden lane.....	New-York
Boyer Lamson, 23 South.....	"
Britton & Tyler, 100 Broad.....	"
Brown William's Son & Nordenhold, 7 South.....	"
Conklin John S. & Co. 105 Broad.....	"
Edey William A. 96 Wall.....	"
Fitzgerald Thomas, 108 Broad.....	"
Gibson John & Co. 26 Water.....	"
Grout Edward, 3 Water.....	"
Hanson John, 31 Coenties slip.....	"
Jarvis Frederick W. 151 Front.....	"
Johnson A. B. 155 Maiden lane.....	"
Johnson S. & Co. 128 Maiden lane.....	"

Baltimore Copper Paint is unsurpassed.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Ag't, 31 South St., N. Y.**

WM. WALL'S SONS,

MANUFACTURERS OF

MANILA, SISAL AND TARRED

C O R D A G E

AND

OAKUM.

GANGS OF RIGGING MADE TO ORDER.

OFFICE, 113 WALL STREET,

NEW-YORK.

ELIZABETHPORT

Steam Cordage Co.,

MANUFACTURERS OF

CORDAGE, TARRED ROPE,

Rigging and Oakum,

No. 46 SOUTH STREET,

NEW-YORK.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Estimated Weight of Manila Cordage furnished by Elizabethport Steam Cordage Company.

Size, circumference Inches.	Size, diameter Inches.	Weight of 100 fathoms.	Feet in 1 pound.	Strain borne by new ropes, lbs.	TARRED HEMP.
					Weight of 100 fathoms.
1 1/4	3/8	31	20	For ropes in use, deduct 1/4 from these figures, to allow for chafing, etc.	40
1 1/2	7/16	44	14		55
1 3/4	1/2	60	10		75
2	5/8	79	7 1/2		100
2 1/4	3/4	99	6		125
2 1/2	7/8	122	5	8,000	155
2 3/4	1 1/8	146	4	4,000	190
3	1 1/4	176	3 3/4	5,000	225
3 1/4	1 1/2	207	3	6,000	265
3 1/2	1 3/8	240	2 1/2	7,000	300
3 3/4	1 1/2	275	2 1/8	8,500	355
4	1 5/8	305	2	9,500	405
4 1/4	1 3/4	355	1 1/2	11,000	455
4 1/2	1 7/8	395	1 1/4	12,500	500
5	2	490	1 1/8	14,000	550
5 1/2	2 1/8	595	1	16,000	630
6	2 1/4	705	10 INCHES.	20,000	750
6 1/2	2 3/8	825	8 1/2	24,000	910
7	2 1/2	960	7 1/2	27,000	1050
7 1/2	2 3/4	1100	6 1/2	31,500	1235
8	2 7/8	1255	5 1/2	37,000	1400
8 1/2	3	1415	5	42,500	1600
9	3 1/8	1585	4 1/2	48,500	1820
				61,500	2050

Hawser-laid will weigh one sixth less.

Galvanized Charcoal Wire Rope, for Ships' Rigging.

12 WIRES TO THE STRAND.					12 WIRES TO THE STRAND.				
Weight per fathom.	Circumference of hemp rope of equal strength.	Breaking-strain in tons of 2000 lbs.	Price per lb.	Circumference.	Weight per fathom.	Circumference of hemp rope of equal strength.	Breaking-strain in tons of 2000 lbs.	Price per lb.	Circumference.
20 lb.	12 in.	50	14	6 in.	9 1/2 lb.	6 1/2 in.	14	15 1/2	3 1/4 in.
26 3/4	11	43	14	5 1/2	8	6	12	16	3
28 1/4	10 1/2	40	14	5 1/4	7	5 1/2	10	15 3/4	2 3/4
29	10	35	14 1/2	5	5 1/4	5 1/2	9	15 1/4	2 3/8
29 3/4	9 1/2	33	14 1/2	4 3/4	4 3/4	4 1/2	8	16 1/4	2 1/4
18	9	30	14 1/2	4 1/2	4	4	7	16 1/2	2
16	8 1/2	26	14 1/2	4 1/4	3 3/4	3 1/2	5	17 1/4	1 3/4
14 1/4	8	23	15	4	3	3 1/4	4	19	1 1/2
12	7 1/2	20	15	3 3/4	2 1/2	2 1/2	3 1/2	21	1 1/4
11	7	16	15	3 1/2	1	2	2 1/2	22	1

NOTES ON RIGGING.

Galvanized wire rope, for shrouds and stays, is now universally superseding hemp rope, for the following reasons: It is much cheaper, more durable, and will not stretch permanently under great strains, as is the case with hemp rigging, thus saving much labor in setting up; and it is fully as elastic as hemp rope of equivalent size. The great economy of using wire in place of hemp rigging is the large reduction in size and weight. (The bulk of wire rigging is only one sixth that of hemp, while the weight is one sixth less.) The advantages of lightness are apparent to every seaman; it offers less resistance to the wind, and the removal of several tons of weight from the height occupied by the standing rigging, increases both the steadiness and stability of the ship.

Roebbling's wire rope has been made the standard by the United States Navy Department.

For Cabin and Galley Outfits, go to D. C. Small, 60 W. Pratt St., Baltimore.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

Port Charges, France.—Continued.

BORDEAUX : Inward expenses of a vessel of 400 tons register, drawing 16 feet with cargo :

From 1st April to 30th September.

	Fr.	Cent.
From sea to Verdon.....	66	50
“ Verdon to Pauillac.....	66	50
“ Pauillac to Bordeaux.....	83	12
	216	12

From 1st October to 31st March.

	Fr.	Cent.
From sea to Verdon.....	99	75
“ Verdon to Pauillac.....	66	50
“ Pauillac to Bordeaux.....	83	12
	249	37

Broker's charges :

	Fr.	Cent.
Manifest for the Custom House.....	6	00
Declaration.....	4	45
Sea protest.....	13	50
Telegraph of arrival.....	5	50
Enteieg fees, 50 cent. per ton register.....	200	00
Petty expenses.....	5	00
	234	45

Outward expenses of same vessel :

	Fr.	Cent.
Pilotage.....	232	74
Pass.....	8	00
Outward manifest.....	12	00
Advertising.....	60	00
Bill of health.....	10	00
Brokerage on freight procured and expedition, 1 fr. per ton of cargo.....	5	50
Charterparty and stamps.....	328	24

BAYONNE : Port charges on a vessel of 95 tons, loaded in and out :

	Fr.	Cent.
Board of Health and quarantine expenses, 10 cent. per register ton.....	9	50
Pilotage from sea (as per agreement made by the master).		
“ over the bar and up to Bayonne.....	32	50
Steamboat's expenses for bring the vessel in, 5 per cent for towing, and 50 cent. per ton.....	45	70
Ballast, at the rate of 80 cent. per lighter of 20 tons each.		
Clearance inwards, at the rate of 50 cent. per register ton.....	47	50
Report at the Customs office (when loaded).....	10	00
Steamboat's fixed dues as per bills, 30 cent. inward and 30 cent. outward....	57	00
Signal dues, in and out, to the head pilot of the bar.....	12	00
Brokerage for reporting the vessel out and attending ship's business.....	47	50
Pilotage down to Boucau.....	8	00
Stamps and small expenses.....	5	00
Chartering commission on the outward cargo from Bayonne, 5 per cent.		
If coming in or going out in ballast, the rate is to be less for the fixed dues—say 5 cent. if coming in in ballast, and 30 cent. with cargo.		

Lighters.—Continued.

Martins Herman J. 12 Old slip.....	New-York
McCartan & Logan, 47 Pearl.....	"
McCreery John, 95 Broad.....	"
McMurray George, 167 Maiden lane.....	"
McMurray John, 167 Maiden lane.....	"
Mott & Gamble, 22 South.....	"
New-Jersey Lighterage Co. 97 Water.....	"
Ogden William A. 95 Broad.....	"
Powe George W. & Co. 66 South.....	"
Sergeant Alfred J. 31 Pearl.....	"
Shortland S. F. & Bro. 106 Wall.....	"
Smith Jacob A. 150 Front.....	"
Stearns Edward, 113 Wall.....	"
Suhr J. & Co. 12 Old slip.....	"
Teneyck Conrad A. 67 South.....	"
Thompson William Prall, 124 Front.....	"
Thorne, Phipard & Co. 42 Water.....	"
Turnure William H. 107 Wall.....	"
Coyne John & Co. offices Boyce's whf and 95 W. Lombard, Baltimore	
Johnson S. M. & Co. 43 S. Gay.....	"
Rauch & Bowen, Commercial whf.....	"
Zane & Co. 35 Commerce.....	"

*** Low Water Signals.**

SHAW THOMAS (see advt.), 913 Ridge ave.....Philadelphia

Lumber Commission Merchants.

DEERING J. W. (see page 42) Richardson's whf.....Portland, Me
 CLARK GEORGE P. (see page 94) 104 State.....Boston
 HUNTINGTON J. F. 173 State....."
 LEWIS & HALL (see page 96), 9 Merchants' row....."
 JONES HENRY & CO. (see page 100) 180 Borden....East-Boston
 MOSELEY, WHEELWRIGHT & CO. (see page 96) 44 Kilby, Boston
 SOUTHARD & CO. (see front cover, also page 176) 121
 Front.....New-York

*** Lumber.**

(Yellow and Southern Pine.)

DREW J. G. (see page) 7 Exchange pl.....Boston
 HUNTINGTON J. F. 173 State....."
 LEWIS & HALL (see page 96), 9 Merchants' row....."
 STETSON & HOPE (see page 96), 10 State....."
 SOUTHARD & CO. (see front cover, also page 176) 121
 Front.....New-York

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St. N. Y.

POLLOCK & VAN WAGENEN,
STEAMSHIP AND RAILROAD SUPPLIES,
AND
SHIP CHANDLERY.

Sole Agents for Lawton's Patent Boiler Tube, Ferrule and Plug. Agents for Hall's Celebrated Bolts, Nuts, Lag Screws, etc. Sole Agents for Goodrich's Patent Feed Water Indicator, and Jones' Patent Piston Springs. Agents for Eagle Patent Packing for Steam and Water.

No. 212 WEST STREET,

Between Harrison and Franklin Streets,

NEW-YORK.

JOHN ZITTOSEN,
Shipping and Commission Merchant,
AND
SHIP BROKER,

3 WILLIAM STREET,

NEW-YORK.

UNITED STATES
FLAG DEPOT,

WM. J. POWELL,

No. 153 SOUTH STREET,

Near Peck Slip, . . .

NEW-YORK.

Flags and Banners of all Nations. Yacht Work a specialty.

S. McFadden & Co.,

198 Hudson St., New-York,

MARITIME, NATIONAL, AND FANCY
FLAG MAKERS.

ALWAYS ON HAND

Ensigns, Jacks, Pendants, Flies, Commercial Code of Signals, etc.

BUNTING FOR SALE.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Lumber.

(Manufacturers and Dealers.)

(See also Timber.)

ROBINSON J. D. (see page 18) King whf next to R. R. Bath, Me
 DEERING J. W. (see page 42) Richardson's whf. Portland, "
 EMERY HIRAM, 27 Doane Boston
 HOSKINS WILLIAM & SON, 21 Kilby "
 McQUESTEN & FOGG (see page 100), 170 Border... East-Boston
 RICHARDSON, C. H. & L. S. 168 Border "
 DURYEE JOSEPH W. (see page 180) 258 Cherry New-York
 CHURCHMAN F. A. & CO. 410 S. Delaware ave. Philadelphia

Machinists.

(Marine Work.)

MOULTON GEORGE & SON (see advt.) Bath, Me
 WINSLOW DANIEL & SON (see advt.), 20 Union... Portland, "
 LANGLEY, CARBEE & CO. 87 Border East-Boston
 OSBORN LOUIS & CO. (see page 68) 74 Lewis. "
 RAWSON & HITTINGER (see page IV), 72

Main Cambridgeport, Mass

HAYES JOHN J. (see page 150) Kent cor West... Greenpoint, L. I
 BROWN WILLIAM (see advt.), 541 W. 35th New-York
 SNELLING J. & CO. (see page 144) 158 South "
 SAUNDERS O. P. 402 Penn Philadelphia
 WHITECAR JOSEPH (see page 260), 402 & 406 Penn "
 WOOD, DIALOGUE & CO. (see inside front cover)

Camden & "

GRIFFITH & MARQUETTE, 6 West Falls ave. Baltimore
 MILLER, KELLY & HUGHES (see page 392), E.

Bay & Pinckney Charleston

SMITH & VALK (see page 392), e end Hasel. "

Marine Architects.

(See also Naval Architects.)

TAYLOR JUSTIN E. & WILLIAM H. COLBY (see
 advt.), Condon nr Meridian st. bridge East-Boston
 CHASE LUTHER S. 52 South New-York
 STUELER R. (see page 154) 159 Front "
 REANEY WILLIAM B. (see page 294) 307 Walnut... Philadelphia

Marine Railway Builders.

CONTINENTAL WORKS (see page 150), Green-
 point Brooklyn, L. I

Mast and Spar Makers.

Cummings Frank Bangor, Me
 Small & Dane Bath, "

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Cabooses and Galley Outfits.

Use the Best, Tarr & Wenson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, France.—Continued.

CETTE: Expenses of a vessel of 274 tons register, from Liverpool with pitch, leaving for Carloforte in ballast:

	Fr.	Cent.
Health Office.....	28	70
Pilotage, in and out.....	97	05
Loading ballast.....	120	00
Custom House permit.....	3	60
Custom House pass.....	2	00
Clearance inward.....	92	40
Consul's bill.....	20	00
Custom House report.....	3	50
Postages.....	5	20
Outward permit.....		75
Dispatch home.....	11	75
Assistance boat inward.....	10	00
Porterage, 1 fr. 50 cent.; imprisonment of two sailors, 9 fr.....	10	50
Laborers, discharging.....	385	00
Cook-house.....	31	50
	821	95

(About \$159.08.)

MARSEILLES: Port charges on a schooner of 141 tons register, inward with cargo of pitch; outward, ground-nut oil-cake:

	Fr.	Cent.
Pilotage, in and out.....	44	10
Excise on ship stores.....	17	50
Health Office.....	14	00
Harbor boat (as agreed).....	10	00
Telegram.....	60	00
Opening bridge twice.....	10	50
Sundries.....	22	00
Consulate.....	18	00
	263	0

(About \$50.80.)

The charge for cooking ashore is 1½ francs per day per ship.

LA CIOTAT: Dues and charges on a ship of 600 tons register, cargo in and ballast out, drawing 19 feet loaded:

	Fr.	Cent.
Pilotage in.....	60	00
Manifest.....	63	25
Consul's fees.....	38	90
150 tons ballast.....	262	50
Customs dues.....	91	85
Translations.....	60	00
	576	50

(About \$111.80.)

ORAN: Charges on a British vessel of 200 tons register:

	Fr.
Pilotage on 200 tons, at 16 cent. per ton.....	32
Mooring.....	10
Brokerage, clearing in and out at 52½ cent. per ton.....	105
Interpreter's fee.....	20
Sanitary dues, at 10 cent. per ton.....	20
Consul's fees, about.....	25
Ballast, 2 francs per ton.....	

Discharging ballast, 1 fr. 50 cent. per ton.

Cargo is brought alongside in lighters.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Mast and Spar Makers.—Continued.

White B. L.	Bath, Me
Wiggin John S.	" "
Dyer D. W. & Son.	Belfast, "
Frye John.	" "
Hall John G.	" "
Lavey J. O.	Hodgdon's Mills, Boothbay, "
Morrill & Tappan.	Calais, "
Peel H.	" "
Bradford J. W.	Ferry Village, Cape Elizabeth, "
Champlin Robert & Co.	Eastport, "
Custus Paul.	Ellsworth, "
Grant Isaac M.	" "
Lord Abram.	" "
Talpey S. C.	Kennebunkport, "
Tobey J. P. F.	Machiasport, "
Armstrong & Bradford, 200 Commercial.	Portland, "
BRADFORD JOHN & SON, 176 Commercial.	" "
Simonton William H. 312 Commercial.	" "
Benner & Trowbridge.	Rockland, "
Mitchell David Y.	Searsport, "
Storer John.	Waldoboro, "
Trowbridge J. D.	" "
Martin William R.	Portsmouth, N. H.
CALDWELL & ODIORNE (see page 110), 301 Commercial.	Boston
Grueby W. H. 421 Commercial and 190 Broad.	" "
PIGEON H. & SONS, 266 Commercial.	" "
YOUNG GEORGE E. & SON, 24 Atlantic ave.	" "
Bealkey A.	Fall River, Mass
Terry J. C.	" "
Annis E. G.	East-Gloucester, "
Call J. C.	Gloucester, "
Jones William.	" "
Beetle Rodolphus.	New-Bedford, "
HOWLAND JOHN W. (see page 94) City whf.	" "
Johnson & Kirby.	" "
Ryder & Smith.	" "
Smith & Allen.	" "
Lunt Edward W.	Newburyport, "
Brown Nathaniel.	Plymouth, "
Collins Isaac.	Provincetown, "
Frisbee A. J.	Salem, "
Hopkins Nathaniel.	" "
Cotrell Silas H. & Co. 253 Thames.	Newport, R. I.
Hanscom H. A.	Fair Haven, Ct
Williams J. E. & Co.	Mystic River, "
Collins D. H.	New-Haven, "

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

THE
REVERE COPPER CO.,

47 KILBY STREET, BOSTON,

AND

242 SOUTH STREET, NEW-YORK,

MANUFACTURERS AND DEALERS IN

COPPER AND YELLOW METAL,

SHEATHING AND BOLTS,

Composition, Copper, and Yellow Metal Nails,

COMPOSITION SPIKES AND SHIP FASTENINGS,

AND IMPORTERS OF

SHEATHING FELT.

BRAZIERS' Copper and Dimension Yellow Metal in stock,

AND

ROLLED TO ORDER.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Tables to Facilitate Estimates for Ship Repairs,
FURNISHED BY THE REVERE COPPER COMPANY.

COPPER OR YELLOW METAL SHEATHING.

14	oz.	4.08	lbs.	per sheet.
16	"	4.67	"	"
18	"	5.25	"	"
20	"	5.83	"	"
22	"	6.42	"	"
24	"	7.00	"	"
26	"	7.58	"	"
28	"	8.17	"	"
30	"	8.75	"	"
32	"	9.33	"	"
34	"	9.92	"	"

Size of sheet 14 x 48 inches = $4\frac{2}{3}$ feet, and covers, allowing for lap in nailing, $4\frac{1}{2}$ feet.

Of $1\frac{1}{8}$ inch sheathing nails, from $\frac{5}{8}$ to $\frac{3}{4}$ of a pound is required to the sheet for single-punched metal. Of $1\frac{1}{4}$ inch, nearly a pound to the sheet. Double-punched metal requires about 50 per cent more.

BOLT.—WEIGHT PER FOOT.

$\frac{3}{4}$ inch diameter.	Copper.	Yellow Metal.
$\frac{7}{8}$ " " " " " "	1.70	1.60
1 " " " " " "	2.32	2.18
$1\frac{1}{8}$ " " " " " "	3.03	2.85
$1\frac{1}{4}$ " " " " " "	3.83	3.60
$1\frac{1}{2}$ " " " " " "	4.73	4.45

Sheathing felt comes in double sheets, measuring 32 x 40 inches. In the trade this is known as two sheets. The single sheet in actual use covers about four feet of surface.

About 100 nails are required to a sheet of metal punched in the usual way. If double punched, about 150 would be required.

LENGTH OF CUT COPPER NAILS.

4d.	6d.	8d.	10d.	12d.	20d.
$1\frac{1}{2}$ inches.	2 inches.	$2\frac{1}{2}$ inches.	3 inches.	$3\frac{1}{2}$ inches.	4 inches.

TABLE

Showing the sizes of chains required for vessels according to their register tonnage. (For low-deck vessels add one fifth to the tonnage.)

Ship's Tonnage.	Size of Chain.	Weight per fathom.	Size of Anchor.	Ship's Tonnage.	Size of Chain.	Weight per fathom.	Size of Anchor.
Tons.	Inches.	Pounds.	Pounds.	Tons.	Inches.	Pounds.	Pounds.
30	$\frac{1}{2}$	14	150	400	$1\frac{5}{8}$	95	1750.
30	$\frac{1}{2}$	18	200	440	$1\frac{3}{4}$	105	1900
50	$\frac{9}{16}$	22	300	500	$1\frac{1}{2}$	115	2100
75	$\frac{5}{8}$	27	400	550	$1\frac{1}{8}$	125	2300
100	$\frac{11}{16}$	32	500	600	$1\frac{1}{8}$	136	2500
120	$\frac{3}{4}$	38	600	700	$1\frac{1}{8}$	145	2700
140	$\frac{3}{4}$	44	700	800	$1\frac{1}{8}$	162	3100
160	$\frac{7}{8}$	50	800	900	$1\frac{3}{4}$	177	3300
180	$\frac{1}{2}$	56	900	1000	$1\frac{3}{4}$	195	3500
200	1	63	1100	1200	$1\frac{7}{8}$	212	3800
240	$1\frac{1}{16}$	70	1300	1500	$1\frac{7}{8}$	225	4300
280	$1\frac{1}{8}$	78	1450	2000	$2\frac{1}{2}$	247	4600
320	$1\frac{1}{8}$	86	1600				
360	$1\frac{1}{4}$						

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

NEW-YORK MARITIME REGISTER,

ISSUED BY

SMITH, YOUNG & CO.,

Is Published every Wednesday.

Subscription Price, per annum, \$15.00.

Publication Office:

73 William Street,
NEW-YORK.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Mast and Spar Makers.—Continued.

Lamb Albert.....	New-London, Ct
ROSEVELT & GRIFFITHS, 257 South.....	New-York
TAFF DAVID J. (see page 180) Quay.....	Greenpoint, L. I
Thorburn George, 740 Water.....	New-York
Whittemore William H. 370 Front.....	"
Winant Cornelius, 1 Gouverneur slip.....	"
MARTIN & GRANT (see page 180), ft Washington....	Jersey City
Bartle William T. 828 Richmond.....	Philadelphia
Birely, Hillman & Strecker, Beach cor Warren.....	"
Cramp W. & Sons, Beach nr Norris.....	"
Hoffmann James N. Dickinson st. whf.....	"
Lynn John W. & Son, 426 S. Delaware ave.....	"
McCraight T. & Co. Beach cor Norris.....	"
Shapley Ezekiel C. 1831 Columbia ave.....	"
Simpson A. S. & Bro. 833 Swanson.....	"
WOOD, DIALOGUE & CO. (see advt.) 215 S.5th.....	"
CHESAPEAKE MARINE RAILWAY AND DRY	
DOCK CO. (see page 324) ft Philpot.....	Baltimore
ELLIS JOSEPH A. (see page 370) Water.....	Norfolk
GRAVES WILLIAM A. (see page 378) 211 to 219 Water..	"
MARSH JAMES G. & D. C. (see page 388).....	Charleston
Willink H. F. ft Drayton.....	Savannah

Mattresses.

DEGRAAF & TAYLOR (see page 238), 87 & 89 Bowery.....	New-York
HALL D. K. & SONS (see page 238), 169 Chatham.....	"
SCHENCK JAMES V. (see page 242) 203 Canal.....	"

*** Medicine Chests.**

FOLSOM JAMES (see page 82), 269 Commercial.....	Boston
WILSON WILLIAM M. & CO. (see page 292) 206 & 208 Market.....	Philadelphia
STILTZ GEORGE R. (see page 348) Broadway nw cor Thames.....	Baltimore
Scott & Co.....	Georgetown, Demerara

Merchants, Foreign.

CRANE SAMUEL D. & CO. 48 State.....	Boston
RATTRAY, MUNTZ & CO.....	Valparaiso, Chili

Metals.

BARSTOW E. W. & SON (see page 148), 83 Maiden lane.....	New-York
PHELPS, DODGE & CO. (see front cover) Cliff bet John & Fulton.....	"
POWER JAMES & CO. (see page 368) 26 Rowland's whf..	Norfolk
WHITE E. V. & CO. (see page 360) 12 Commercial row.....	"

Baltimore Copper Paint is equal to any in use.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

Port Charges, France.—Continued.

ARZEW : Expenses of a vessel of 575 tons register, coming from Algiers : Fr.
 Brokerage.....185
 Stevedore, 75 cent. per ton on 320 tons.....240
 Interpreter.....75

500

ALGIERS : Expenses of a vessel of 199 tons register, coals in and ballast out :
 Pilotage, in and out.....£ 1 s. 6 d.
 Consul's fees for crew.....5
 Bill of health, etc.....18
 Ballast, 1s. per ton. Brokerage and harbor dues, from £4 to £5. Brokerage, 4
 per cent per ton for freighting, and $\frac{1}{2}$ per cent for collecting freight.

BONA : Expenses of a vessel of 199 tons register, with ballast in and cargo of
 ore out :
 Clearing, in and out.....£ 1 s. 5
 Pilotage, in and out.....10
 Discharging ballast, 10d. per ton.

MARTINIQUE : Dues and charges on a vessel of 211 tons register, ballast in and
 cargo out :
 Customs charges, including pilotage in.....Fr. 195 Cent. 05
 Stevedore, stowing 387 hhd's., including screws.....252 12
 Consul's account, including bill of health.....25 00
 469 17

There is a dry-dock here 400 feet long, and capable of receiving a vessel of 28
 feet draught.

CORSICA.

Table showing the pilotage dues levied in the ports of Corsica.

Rates for all French and privileged foreign merchant vessels (sailing or steam),
 entering or clearing, per ton measurement:

PORTS.	VESSELS OF		Reduced charge per ton for every 100 tons above						Vessels of less than 80 tons, requiring a pilot, pay, on entering or clearing, 10 cent. per ton, but in no case less than 6 francs.
	from 80 to 300 tons.	from 80 to 500 tons.	500	600	700	800	900	1000	
	Cent.	Cent.	Ct.	Ct.	Ct.	Ct.	Ct.	Ct.	Francs.
Ajaccio.....	10	For every ton above 300, 5 centimes.							
Bastia.....	10	10	8	7	6	5	4	3	8
St. Florent...	10	15	12	10	9	7	5	4	12

Rates to be paid by foreign vessels, assimilated to the French, per ton measurement:

Vessels of from 26 to 500 tons.	Reduced charge per ton for every 100 tons above						
	500	600	700	800	900	1000	
Cent.	Cent.	Cent.	Cent.	Cent.	Cent.	Cent.	Fr.
15	12	10	9	7	6	4	6
22	18	15	13	10	7	6	9

One half in addition to the rate for French or privileged foreign vessels.

NOTE.—Ajaccio, when the pilot's services have been required to change the place of a vessel in the port, the dues are 4 francs if the operation was performed by the crew of the ship ; 10 francs if by the pilot and his boat's crew.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Metals, Old.*(See also Junk Dealers.)*

BORNSTEIN E. 43 Ann. New-York
 POWER JAMES & CO (see page 368), 26 Rowland's whf. . Norfolk

Nautical Instrument Makers.*(See also Chronometers, also Maps, Charts, etc.)*

Farley Cyrus H. 4 Exchange Portland, Me
 SENTER WILLIAM & CO. (see page 52) 54 Exchange.. " "
 American Steam Gauge Co. 38 Chardon Boston
 THAXTER SAMUEL & SON (see front fly-leaves), 125 State. "
 SHERMAN CHARLES R. (see page 128), 49 N.

Water New-Bedford, Mass

ARNABOLDI J. (see page 222), 50 Fulton. New-York
 Bahmann Bros. 63 Fulton. "
 Brandis F. & Co. 46 Cortlandt. "
 Briecke Edward, 181 Chatham. "
 Busch Edward, 62 Chatham. "
 Coulter James, 192 Broadway. "
 Davis William C. 20 Burling slip. "
 Eckle & Imhof, 16 Burling slip. "
 EGGERT D'S SONS, Wall cor Pearl. "
 Emmerich Frederick J. 27 Maiden lane. "
 Fehrensen Albrecht, 62 Fulton. "
 Gendar W. T. & T. V. 87 Fulton. "
 Green James, 175 Grand. "
 Gregg William T. 110 Wall. "
 Hoffmann Louis C. 13 Broadway. "
 Hunter Hugh W. 1132 Broadway. "
 Keuffel & Esser, 111 Fulton. "
 Merrill Robert & Sons, 141 Water. "
 Meyer Adolphus, 150 Chatham. "
 Meyer Bernard E. 160 Mott. "
 Meyer Curt W. 9 Cooper Union. "
 Oakes John, 140 Maiden lane. "
 Pennelli Peter, 194 William. "
 Prentice James, 164 Broadway. "
 Raynor Hiram M. 25 Bond. "
 STACKPOLE & BROS. (see page 222) 41 Fulton. "
 Seinhagen Henry, 152 William. "
 Sweetser George, 120 Wall. "
 Tagliabue Charles J. (see outside top line and page inside)
 53 Fulton. "
 Tagliabue Giuseppe, 302 Pearl. "
 Wagner Ferdinand W. 43 Maiden lane. "
 Whaley Thomas & Co. 61 Warren. "
 Battles Augustus S. 436 Walnut. Philadelphia

New-Bedford Caboozes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

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HERMETICALLY SEALED SOUPS,

put up in One Quart Tin Cans, packed two dozen in a case. For sale by all dealers in Canned Goods.

LIST OF SOUPS.

*Terrapin,
Green Turtle,
Mock Turtle,
Ox Tail,*

*Okra,
Chicken,
Tomato,
Julienne,*

*Macaroni,
Split Pea,
Vegetable,
Consomme,*

*Vermicelli,
Mullagatawny,
Nonville,
Beef.*

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WINE MERCHANT,**

131 PEARL and 82 & 84 BEAVER STREET, NEW-YORK.

All kinds of European Produce.

Brandies,
Port and Sherry Wines,
Burgundy and Clarets,
Gins,
Whiskies,
Guinness' Stout, by the dozen.

Imported Cigars,
Domestic Cigars,
Preserves,
Olive Oils,
Roquefort Cheese,

Brie Cheese,
Cheddar Cheese,
Stilton Cheese,
Pineapple Cheese,
Boneless Sardines,

Chow-Chow,
English Mustard,
French Mustard,
Bass' Ale,
Scotch Ale.

Particular attention to vessel trade.

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496 GRAND STREET, opp. East Broadway.

Best Hand-made Butter and Extra Pilot Bread in the World.

PURE PULVERIZED CRACKERS.

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Ornamental, Ground, Cut & Embossed Glass

For Steamboats, Yachts, Dwellings, Railway Cars, Offices, etc.

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Over N. H. and H. R. R. Depot.

NEW-YORK.

Beautiful and Original Designs constantly on hand.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

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Bilge Bolts. Manufactory, Bath, Me.**

Ocean Steamers Leaving Port of New-York.

Alexandria, Va.—pier 37, E. R.—J. C. Kenyon agt, 226 South
 Washington, D. C.—pier 37, E. R.—J. C. Kenyon agt, 226 South
 Antwerp—pier 2, N. R.—Red Star Line, 42 Broad
 Aspinwall—pier 42, N. R.—Pacific Mail S. S. Co. 61 Wall
 Belfast—pier 36, N. R.—Austin, Baldwin & Co. agts, 72 Broadway
 Bermuda—pier 12, N. R.—A. E. Outerbridge agt, 2 Broadway
 Brazil—pier 43, N. R.—W. R. Garrison agt, 5 Bowling Green
 Bremen—3d st, Hoboken—Oelrich, 2 Bowling Green
 Brest—pier 50, N. R.—Geo. MacKenzie, 55 Broadway
 Bristol, Eng.—pier 18, E. R.—E. E. Morgan's Sons agts, 70 South
 Cardiff—Jersey City—A. Baxter & Co. agts, 17 Broadway
 Charleston, S. C.—pier 29, N. R.—J. W. Quintard & Co. 177 West
 City Point, Va.—pier 37, N. R.—N. L. McCready, 197 Greenwich
 Curacao—pier 51, N. R.—Pim, Forwood & Co. 56 Wall
 Fernandina, Fla.—pier 2, N. R.—H. Gelpeke, 5 William
 Galveston, Texas—20 E. R.—C. H. Mallory & Co. 153 Maiden lane
 Georgetown, D. C.—pier 37, E. R.—J. C. Kenyon, 226 South
 Glasgow, Anchor Line—pier 20, N. R.—Henderson Bros. 7 Bowling
 Green
 Hamburg—36 N. R.—Austin, Baldwin & Co. 72 Broadway
 Havana—pier 13, N. R.—W. P. Clyde & Co. 6 Bowling Green
 Havre—pier 50, N. R.—Geo. Mackenzie, 55 Broadway
 Hayti—pier 13, N. R.—L. Delmonte, 50 Exchange pl
 Key-West—All steamers of Mallory Line, leaving Saturday, for Gal-
 veston, stop here
 Kingston, Jamaica—pier 51, N. R.—Pim, Forwood & Co. 56 Wall
 Lewes, Del.—pier 37, N. R.—Old Dominion S. S. Co. 197 Greenwich
 Liverpool—pier 46, N. R.—Williams & Guion, 63 Wall
 Liverpool—Jersey City—Cunard Line, 4 Bowling Green
 Liverpool—pier 45, N. R.—Inman Line, 15 Broadway
 Liverpool—pier 52, N. R.—White Star Line, 19 Broadway
 Liverpool—pier 44 or 47, N. R.—National Line, 69 Broadway
 Mexico—pier 3, N. R.—F. Alexander & Sons, 33 Broadway
 New-Orleans—pier 21, E. R.—C. H. Mallory & Co. 153 Maiden lane
 New-Orleans—pier 36, E. R.—Frederic Baker, on pier.
 New-Orleans—pier 9, E. R.—Clark & Seaman, 86 West
 Philadelphia—pier 33, E. R.—Lorillard's Line, on pier
 Portland, Me.—pier 38, E. R.—Maine S. S. Co. on pier
 St. Domingo—pier 13, N. R.—L. Delmonte, 50 Exchange pl
 Savannah, Ga.—pier 16, E. R.—Murray, Ferris & Co. 52 South
 Stettin—4th st, Hoboken—Baltic Lloyd's S. S. Co. 40 Broadway
 Turk's Island—Martin's Stores, Brooklyn—N. Y. & West-Indies S. S.
 Co. 5 William
 Venezuela—pier 51, N. R.—Pim, Forwood & Co. 56 Wall
 Wilmington, N. C.—pier 13, N. R.—W. P. Clyde & Co. 6 Bowling
 Green
 Wilmington, Del.—12 E. R.—Abiel Abbot, 53 South

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MANUFACTURER AND IMPORTER OF

Thermometers, Barometers, and Hydrometers,

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Sole Owner of the "Original Standard Hydrometers" adopted by the U. S. Petroleum Association for testing Coal Oil and its products.

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Manufacturing and Repairing Marine Barometers a Specialty.

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Thermometers and Barometers,

Also **SALINOMETERS** for Sea-water,

OF METAL AND GLASS.

Salinometers, Thermometers, and Salinometer Pots, Glass Gauges, High Grade Thermometers, etc.

Thermometers and Barometers carefully Repaired.

Estimates given on application.

STACKPOLE & BROTHER,

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Astronomical Instruments,

Nautical Instruments, and

Surveying Instruments.

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Plans and Specifications for Ships' Spars and Rigging. Wire Splicing and Fitting in all Branches. Special attention paid to handling all kinds of Heavy Machinery.

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Nautical Instrument Makers.—Continued.

Bielfeld Francis, 410 N. 10th.....	Philadelphia
Bircker Gottlieb, 1319 Wood.....	"
Diehl J. H. & Co. 728 Chestnut.....	"
Draper Edmund, 226 Pear.....	"
Dunham & Mathieu, 924 Chestnut.....	"
Fitzgerald George C. 519 Cherry.....	"
Francis Lawrence C. 126 S. 8th.....	"
Glass James, 1413 Chestnut.....	"
Gutgesell John B. 901 Chestnut.....	"
Helffricht William, 240 S. Front.....	"
Heller & Brightly, 33 N. 7th.....	"
Kuebler & Steelhorst, 727 Jayne.....	"
Neff Jacob, 622 Cherry.....	"
Queen James W. & Co. 924 Chestnut and 925 Sansom..	"
Riggs & Bro. 244 S. Front and 116 S. 4th.....	"
Storey Edwin A. 207 N. 10th.....	"
Young William J. & Sons, 43 N. 7th.....	"
Lange John H. Pratt cor Spear's whf.....	Baltimore

Naval Stores.

STEPHENSON A. B. (see page 34), Commercial bet Long and Central whfs.....	Portland, Me
Chapman & Soden, 112 Water.....	Boston
FEARING, RODMAN & SWIFT (see page H, inside back cover), 23 & 25 Commercial.....	"
Hoxie T. W. & Co. 38 Long whf.....	"
Page & Fletcher, 38 Portland.....	"
Smith Charles & Co. 7 Central whf.....	"
Stevens, Lang & Co. 65 Commercial.....	"
Stickney J. W. & Co. 64 Broad.....	"
Sweat Brothers, 7 India.....	"
Whiton, Bro. & Co. 31 & 33 Commercial.....	"
Winslow William H. & Co. 147 Milk.....	"
Babeock David & Co. 16 Broadway.....	New-York
Blanks William, 135 Pearl.....	"
Casey John A. 142 Maiden lane.....	"
Chater & King, 187 Pearl.....	"
Cooper B. 151 Maiden lane.....	"
Cuthbert John H. & Co. 38 Burling slip.....	"
Dollner, Potter & Co. 181 Front.....	"
Drew Bryant, 139 Front.....	"
Haff S. S. & Co. 150 Front.....	"
Halpin Zachariah J. 83 Wall.....	"
Hedenberg & Co. 151 Front.....	"
Jacobs Ernest, 175 Pearl.....	"
Johnson & Hammond, 147 Maiden lane.....	"
King John, 141 Maiden lane.....	"

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Belgium.

NIEUPORT: For pilotage and port dues, see Ostend.

OSTEND: Tariff of pilotage:

* Decimeters.	Winter rates.		Summer rates.	
	In.	Out.	In.	Out.
25	41	29	36	25
30	59	42	51	36
35	76	54	68	48
40	93	65	85	60
45	115	81	105	74
50	135	95	125	88
55	159	112	149	104

Vessels calling and not performing any commercial operation pay half these rates. Towed vessels and steamboats pay a little less.

* One decimetre = nearly four inches.

Expenses of a vessel of 259 tons, cargo in and ballast out:

	Fr.	Cent.
Flagman, 1 fr. per mast.....	2	00
Sluicemen, 2 fr.; Harbor Master, 5 fr.....	7	00
Boat in, 12 fr. 50 cent.; out, 6 fr.....	18	50
Gratuity to pilot in.....	3	00
Pilotage in, 115 fr. 75 cent.; out, 29 fr. 50 cent.....	145	25
Light dues, 41 fr. 5 cent.; basin dues, 127 fr. 29 cent.....	168	34
Passage of the basin gates, 17 fr. 55 cent.; waterschout, 13 fr. 20 cent....	30	75
Cook-house, 1 fr.; ballast, 60 tons, at 95 cent. = 57 fr.....	58	00
Clearing, 259 measured tons, at 75 cent.....	194	25
	627	09

(About \$121.42.)

BRUGES: Expenses of a vessel of 200 tons, Belgian, with a cargo of salt of 300 tons dead weight, leaving in ballast: (These expenses are exclusive of those incurred at Ostend.)

	Fr.	Cent.
Pilot from Ostend to Bruges.....	11	80
Three horses and conductor.....	31	00
Man helping to discharge, at 10 cent. per hour.....	30	00
Quay dues, at 15 cent., and receipt, 25 cent.....	30	25
30 lasts of ballast, at 1 fr. 10 cent.....	51	00
Pilot, Bruges to Ostend.....	7	00
Two horses.....	21	00
Brokerage, at 75 cent.....	150	00
	332	05

(About \$64.12.)

GHENT: Port charges on a vessel of 200 tons register, drawing 36 palms (11½ feet), cargo in and ballast out:

	Fr.	Cent.
Pilotage from sea to Terneuse (winter, 118 fr. 95 cent.).....	96	63
Harbor pilotage at Terneuse.....	8	46
Commission at Terneuse.....	20	00
Pilot from Terneuse to Ghent (optional).....	25	40
Four horses from Terneuse to Ghent.....	27	50
Towage from Ghent to Zelzaete.....	8	00
Commission at Zelzaete.....	12	00
Four horses from Zelzaete to Ghent.....	29	63
Sluice-keeper.....	1	00
Towage into Ghent dock.....	5	00

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Naval Stores.—Continued.

Luban Henry, 5 William.....	New-York
Mills Zophar, 144 Front.....	"
Patterson James A. 147 Maiden lane.....	"
Paterson, Rudderow & Co. 154 Front.....	"
Riggs & Bunce, 150 Front.....	"
Turton John, 133 Maiden lane.....	"
Turton Thomas, 159 Front.....	"
LOPER & DOUGHTEN, 55 N. Front.....	Philadelphia
WILLIAMS RICHARD B. (see page 256) 46 & 48 N. Delaware ave.....	"
PERRY CHARLES P. 16 N. Delaware ave.....	"
Cohen Joseph, Central whf.....	Charleston
Levy Charles F. Central whf.....	"
Stondland Dowling, 72 E. Bay.....	"

***Nettings and Fishermen's Supplies.**

WILLIAMS RICHARD B. (see page 256) 46 & 48 N. Delaware ave.....	Philadelphia
--	--------------

Newspapers and Publications.

PORTLAND PRESS (see page 20), 109 Exchange.....	Portland
WEBSTER'S UNABRIDGED DICTIONARY, G. & C. Merriam (see page 52).....	Springfield, Mass
NEW-YORK DAILY BULLETIN AND AUCTION RECORD, 5 & 7 S. William.....	New-York
NEW-YORK MARITIME REGISTER (see advt.), 73 William.....	"
THE NAUTICAL GAZETTE (see page 246), 40 Burling slip.....	"
THE NORTH-AMERICAN AND UNITED STATES GAZETTE (see page 270).....	Philadelphia
TRAVELERS' OFFICIAL RAILWAY GUIDE (see page 310), 233 S. 5th.....	"
BALTIMORE GAZETTE (see advt.), 106 W. Balti- more.....	Baltimore
NORFOLK VIRGINIAN (see page 374), 56 & 58 Roanoke ave.....	Norfolk

Oakum Manufacturers.

Alden H. L.....	Camden, Me
Soule Charles S.....	Waldboro, "
Boston Oakum Co. 86 Norfolk ave.....	Boston
FEARING, RODMAN & SWIFT (see page H, inside back cover), 23 & 25 Commercial.....	"
SEWALL, DAY & CO. (see page 122) 83 & 85 Commercial..	"
Train W. G. 40 Fulton.....	"
WHITON BRO. & CO. (see page 118) 31 & 33 Commer- cial.....	"

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

AMERICAN SHIPMASTERS' ASSOCIATION,

37 WILLIAM STREET, NEW-YORK.

RECORD OF AMERICAN AND FOREIGN SHIPPING.

The Seventh Annual Volume of the *Record of American and Foreign Shipping*, published by the Shipmasters' Association, is now ready for delivery to subscribers, and will contain *Surveys of over Eighteen Thousand Vessels*.

Price, per volume, including monthly supplement, \$10.

INDORSEMENT OF NEW-YORK BOARD OF UNDERWRITERS.

NEW-YORK, June, 1869.

Resolved, That the *Record of American and Foreign Shipping*, published by the American Shipmasters' Association of this city, is *the only American publication of Survey and Classification of Vessels* that now has *the approval of this Board*, and that we recommend it as deserving the confidence of those interested in shipping.

(Signed),

ELLWOOD WALTER, Secretary.

OFFICE OF THE BOARD OF UNDERWRITERS.

NEW-YORK, August 25, 1870.

Resolutions adopted at a meeting of the Board, held August 25th, 1870.

Resolved, That, whereas two publications, one entitled "The American Lloyd's Universal Register of Shipping," purporting to be published by Thomas D. Taylor, and the other, "The American Lloyd's Register of American and Foreign Shipping," purporting to be published by Hartshorn & King, have claimed, in print, the approval of this Board; and whereas, this Board has never given its approval to either of said works; be it, therefore,

Resolved, that the Secretary be directed to publish the above resolution for the information of the public.

From the minutes.

(Signed),

ELLWOOD WALTER,

Secretary Board of Underwriters.

Vessels surveyed and certificates of classification issued upon application at the office of the Association, 37 William Street, or to their authorized agents at other ports.

For the Association.

T. W. ELLISON, Secretary.

DEGRAUW, AYMAR & CO.,

MANUFACTURERS OF

CORDAGE AND OAKUM,

IMPORTERS AND DEALERS IN

ENGLISH AND AMERICAN

Chains, Anchors, Russia Bolt Rope, Wire Rope, Oars, etc.,

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 " R. B. BENSON, *Inspector New-York Mutual Insurance Co.*
 " TOWNSEND JONES, *Inspector American Shipmasters' Association.*
 " JAMES PARKER, *Inspector Atlantic Mutual Insurance Co.*
 " T. W. WILSON, *Inspector Commercial Mutual Insurance Co.*
 " B. T. GLOVER, *Inspector Pacific Mutual Insurance Co.*
 " F. A. MARTIN, *Inspector American Shipmasters' Association.*
 " JEREMIAH DARLING, *Inspector Atlantic Mutual Insurance Co.*
 " W. H. ALLEN, *Inspector Orient Mutual Insurance Co.*
 SINCLAIR STUART, *Inspecting Engineer.*

Surveyors.

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- SEWALL W. SWAZEY.....Residence, Bucksport.
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 PARKER M. WHITMORE.....Residence, Bath.
Limits—From Bath to Rockland, both inclusive.
 WILLIAM LEAVITT.....Residence, Portland.
Limits—From Bath to, and including, Portsmouth, New-Hampshire.

MASSACHUSETTS.

- R. G. F. CANDAGE, *Inspector of Boston Board of Underwriters*.....Residence, Boston
Limits—From Portsmouth, New-Hampshire, to, and inclusive of, Providence, R. I.

PHILADELPHIA.

- JOHN DALY... ..Residence, Philadelphia.

BALTIMORE.

- THOMAS LUCAS.....Residence, Baltimore.

NORFOLK.

- THOMAS CRELLIN.....Residence, Norfolk.

MOBILE.

- GEORGE I. BLAKESLEE.....Residence, Mobile.

SAVANNAH.

- THOMAS LYONS.....Residence, Savannah.

PENSACOLA.

- SEWALL C. COBB.....Residence, Pensacola.

NEW-ORLEANS.

- A. K. MILLER.....Residence, New-Orleans.

SAN FRANCISCO.

- H. H. WATSON.....Residence, San Francisco.

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Belgium.—Continued.

	Fr.	Cent.
Water-bailiff's dues.....	12	45
* Light dues in Holland and floating lights.....	37	40
Bridge tolls, in and out.....	1	70
Basin and quay dues.....	12	00
Sea protest (when needed).....	6	00
Commission for reporting in and out, and all other ship's business.....	150	00
Ballast expenses, and working the ship to Terneuse.....	60	00
Pilot from Terneuse to sea, 24 palms (winter, 40 fr. 21 cent.).....	35	83
	549	00

* Payable once in twelve months.

(About \$105.96.)

BRUSSELS : Charges on a vessel of 184 tons register :

	Fr.	Cent.
Steam-tug, up and down.....	50	00
Water-bailiff, 2 fr.; manifest, 4 fr. 50 cent.....	6	50
Canal charges, loaded, 45 cent. per ton register ; in ballast, 15 cent. ; brokerage, 75 cent. per ton register ; ballast, cost, 1 fr. 50 cent. per ton ; com- mission on chartering, 5 per cent. There are no port, wharf, or light dues.		

ANTWERP : Dock dues on vessels of all nations, per ton :

	Cent.
Under 100 tons.....	40
101 to 150 tons.....	45
151 to 200 tons.....	50
201 to 250 tons.....	55
251 to 300 tons.....	65
301 and above.....	70
15 per cent. additional on all these rates.	

Port charges on a vessel of 500 tons (Belgian measurement), drawing 50 palms, or 16 feet 4 inches :

	Fr.	Cent.
Pilotage from sea to Flushing (summer tariff).....	199	79
Pilotage from Flushing to Antwerp (summer tariff).....	142	00
Dock dues on 500 tons, at 70 cent. per ton, and 15 per cent.....	402	50
Commercial court for appointing surveyors inward.....	14	30
Surveyor's fees inward.....	55	00
Sea protest and extension.....	28	00
Hooking the vessel.....	2	12
Pilotage to Flushing.....	142	00
Pilotage to sea.....	121	90
Water-bailiff for certificate.....	18	00
Advertisements, stamps, manifests.....	20	00
Brokerage, at 75 cent. per ton.....	375	00
Pilots, mooring the vessel, in and out.....	4	24
Light dues.....	93	49
	1618	34

(About \$313.84.)

Port Charges, Holland.

HOLLAND : Custom House rule : Shipmasters must produce, within 24 hours after arrival, a declaration in writing of their cargoes.

FLUSHING : Expenses of a vessel measuring 500 tons, drawing 50 palms, or 16 feet 4 inches, from New-York, bound to England, cargo in and out :

Oakum Manufacturers.—Continued.

Laplace Roswell H.	Lyme, Ct
Tibbals Bros.	Middlehaddam, "
DAVEY W. O. & SONS (see page 170), 117 Wall.	New-York
DEGRAUW, AYMAR & CO. (see page 226) 42 South.	"
ELIZABETHPORT STEAM CORDAGE CO. (see page 208) 46 South.	"
WALL WILLIAM'S SONS (see page 208), 113 Wall.	"

Oars, Sweeps, Sculls, etc.

Andrews Dexter.	Bangor, Me
Freeman E.	Oldtown, "
Taylor William C.	Orono, "
Howland Henry R.	Portland, Me
Batchelder W. & Co.	Lancaster, N. H
Cragin & Sheldon, Atlantic ave.	Boston
Dodge R. T. 166 Commercial.	"
JOHNSON J. S. 269 Commercial.	"
Winsor Parker, 13 Commercial whf.	"
Elwell Samuel jr.	Gloucester, Mass
Kirby Humphrey S.	New-Bedford, "
Swan Walter D.	" "
Watkins William.	" "
Stockman H. & Son.	Newburyport, "
Baker B. H.	Taunton, "
BURHANS & GEORGE (see page 252), 164 Maiden lane.	New-York
DEGRAUW, AYMAR & CO. (see page 226) 42 South.	"
HARKNESS PETER & CO. 154 South.	"
Page Enoch W. 69 West.	"
THOMPSON JOSEPH (see advt.), 36 Burling slip.	"
SHUBERT & COTTINGHAM (see page 320), 120 N. Delaware ave.	Philadelphia
NEILY J. W. & CO. (see page 338) 115 Thames.	Baltimore
TURNBULL A. & BRO. 38 Thames.	"

Oiled Clothing.
(*Manufacturers.*)

Haskell Alfred, 162 Fore.	Portland, Me
Oleser John, 134 Fore.	" "
Rich George W. & Co. 173 Fore.	" "
Waterhouse S. 165 Fore.	" "
Carter J. F.	Gloucester, Mass
Cook S. K.	" "
Nelson John.	" "
Pew & Davis.	" "
Ward B. C.	New-Bedford, "
Wheeler Howard,	Pigeon Cove, Rockport, "
Underdown A. R. 134 Market.	Philadelphia
Straus & Anderson (see page 396), 105 E. Bay.	Charleston

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

GEO. W. BROWN,
Ship Broker and Commission Merchant,
41 SOUTH STREET, NEW-YORK.

GENERAL AGENT FOR GILMAN'S IMPROVED
STAR COPPER PAINT.

PRINCIPAL REASONS WHY
THE
Improved Star Copper Paint

IS SO GENERALLY USED AND IS DESTINED TO BE UNIVERSALLY USED IN PREFERENCE TO ALL OTHERS.

1st. It is manufactured from pure **Metallic Copper**, and contains NO ADULTERATION.

2d. It is much finer, being perfectly impalpable, and needs no STIRRING WHATSOEVER.

3d. It spreads over much MORE SURFACE and COVERS IT BETTER.

4th. It WEARS LONGER and will NOT RUB OFF.

5th. It DRIES HARD and leaves a perfectly SMOOTH SURFACE.

6th. It is a thorough protection against WORMS, and the adhesion of GRASS and BARNACLES.

7th. It takes **25 per cent** less to cover the same surface.

8th. Only about *one half the labor* is required to apply it.

9th. Because it is the BEST COPPER PAINT ever manufactured to protect the bottoms of Wooden Vessels, and the public are aware of it.

10th. Because the above reasons are *facts*, and not groundless assertions.

GILMAN, FOQUE & SNOW,

63 and 65 Broad Street, Boston.

GEO. W. BROWN, Agent, 41 South Street, New-York.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

RATES OF FOREIGN MONEYS OR CURRENCIES,

FIXED BY LAW.

		Fractional parts of the currency.	
Franc of France and Belgium.....	\$0 18 ⁶ / ₁₀	100 centimes	
Florin or Guilder of the Netherlands.	40	100 "	
" of the Southern States of Ger-			
many.....	40	60 kreutzers	4 pfennige
Florin of Austria.....	48 ¹ / ₂	60 "	4 "
Milrei of Portugal.....	1 12	1000 reis	
" " Madeira.....	1 00	1000 "	
" " Azores.....	83 ¹ / ₂	1000 "	
Pound sterling of Great Britain.....	4 84	20 shillings	12 pence
" " " British North Ame-			
rican Provinces.....	4 00	20 "	12 "
Pagoda of India.....	1 94	36 fanams	48 jittas
" star of Madras.....	1 84	36 "	48 "
Real vellon of Spain.....	5	34 maravedis	
Real plate " ".....	10	34 "	
Rupee of British India.....	44 ¹ / ₂	16 "	12 pice
Rix dollar (or thaler) of German Em-			
pire.....	69	30 groschen	12 pfennige
Rix dollar of Bremen.....	78 ¹ / ₄	72 grotes	5 schwaren
Dollar thaler of Bremen, of 72 grotes.	71	72 "	5 "
Ruble silver of Russia.....	75	100 kopecks	
Specie dollar of Denmark.....	1 05	6 marks	16 skillings
" " " Norway.....	1 06	6 "	16 "
" " " Sweden.....	1 06	48 skillings	12 öre
Tael of China.....	1 48	10 mace	100 condarems

CURRENCIES BY USAGE,

When a consular certificate of the real value of exchange is not attached to the invoice.

In all cases where the consul's certificate is not attached to the invoice, a bond for the production of one will be required.

		Fractional parts of the currency.	
Banco rix dollar, Sweden.....	\$0 39 ¹ / ₄		
" " " Norway.....	39 ¹ / ₄		
" " " Denmark.....	53		
Guilder, Brabant.....	33 ¹ / ₄		
Curacao Guilder.....	40	20 stivers	12 pfennige
Kobang of Japan.....	1 38	4 itzebou	1600 seni
Rix mynth dollar of Sweden.....	26 ¹ / ₂		
Scudi, Roman.....	99 to 99 ¹ / ₂		
Rix dollar of Batavia.....	75	48 stivers	
Roman dollar.....	1 05		
Ruble (paper) of Russia.....		100 kopecks	Varies from 4 rubles 65 kopecks to 4 rubles 84 kopecks to the dollar.
Tical of Siam.....	61		
Turkish piastre.....	05		
Florin of Prussia.....	22 ¹ / ₄		

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Port Charges, Polynesia.**SANDWICH ISLANDS.****HONOLULU : Pilotage and port charges :**

Pilotage to anchor outside the harbor, \$10 ; health certificate, \$1. When vessels anchor in the harbor, 20 cents a ton register ; buoys, \$2 ; clearance, \$1 ; pilotage, in and out, \$1 per foot each way. When vessels anchor outside the harbor, and land, transship, or take on board any cargo, landing or taking on board more than two passengers, 5 cents per ton register ; buoys, \$2 ; clearance, \$1. When vessels touch at the port for refreshments only, and neither land nor receive any cargo, taking or leaving more than two passengers, they shall pay but 10 cents per ton register ; but if they discharge or take cargo, leave or take more than two passengers, they shall pay 20 cents per ton. On account of calms, vessels are sometimes towed out and in at the expense of \$5 a boat. Ballast can be obtained at about \$5 per ton, delivered on the wharf.

Port charges on a schooner of 141 tons :

Harbor Master's bill at Honolulu.....	\$3 00
Tonnage dues, 15 cents per ton.....	21 15
Entry stamp.....	50
Permit stamp.....	50
Manifest stamp.....	1 00
Ten days' wharfage.....	22 60
24 barrels of water.....	3 00
Pilotage out.....	21 50
Manifest stamp.....	1 00
Clearance stamp.....	1 00
	<hr/>
	\$75 25

Port Charges, Siam.**BANGKOK : Rates of pilotage, \$4 per foot in ; the same out.****Charges on a vessel of 737 tons register, ballast in and cargo out :**

Six coolies, 14 days on board.....	\$32 40
2250 mats, at \$2.70 per 100.....	60 75
Bamboos.....	5 70
Six boat-loads of water, at \$10 per load (3 tons in each boat).....	60 00
Boat hire, up and down, and at town.....	65 00
Consular fees.....	1 20
	<hr/>
	\$225 05

Port Charges, Borneo.**SARAWAK : Rates of pilotage :**

Steam-tug, according to agreement, \$1 per foot.
 Discharging ballast costs \$30 per 100 tons.
 Beacon dues, 3 cents per registered ton.
 Chinese labor, 33 cents per day.
 Ship carpenters, 50 cents per day.

ESTABLISHED BY JOHN HARRISON, 1793.

HARRISON BROTHERS & CO.

PROPRIETORS OF THE

GRAY'S FERRY

White Lead, Color, and Chemical

WORKS,

105 SOUTH FRONT STREET,

PHILADELPHIA.

*** Oils, Machinery.**

(See also *Paints, Oils and Glass.*)

BURHANS & GEORGE (see page 252), 164 Maiden lane. New-York
BLIVEN & CARRINGTON, 263 South..... “

Packing, Steam.

(*Rubber and Metal.*)

Boston Belting Co. 54 Chauncy..... Boston
BOSTON ELASTIC FABRIC CO. (see page 170) 175 Devon-
shire “
Exeter Machine Works, 76 Portland..... “
Gilmore J. T. & Co. 9 Green..... “
HALE ALFRED & CO. (see page opp index) 166 Washington. “
PUTNAM GEORGE D. & CO. (see advt.) 151 & 153
Franklin “
SEWALL, DAY & CO. (see advt.) 83 & 85 Commercial..... “
Cruikshank George M. & Co. 276 Deyer..... Providence, R. I
American Packing Co. 155 W. 29th..... New-York
BOSTON ELASTIC FABRIC CO. (see page 170) 102
Chambers..... “
BUCKLEY & MERRITT (see page 138), 156 South..... “
NEW-YORK BELTING & PACKING CO. (see page
VI) 37 & 38 Park row..... “
POLLOCK & VAN WAGNER (see page 210), 212 West. “
WHITE E. V. & CO. (see page 360) 12 Commercial row.... Norfolk

*** Paints.**

(*Composition.*)

GELIEN HENRY (see page 234), 155 Maiden lane..... New-York
WILLIAMS S. (see page 148) 181 South..... “

*** Paints.**

(*Submarine.*)

FOLSOM C. E. & CO. (see page 82) 9 & 10 India..... Boston
PERKINS JOHN W. & CO. (see page 34) 74 & 76 Commercial “
GIFFING JOHN C., Tarr & Wonson's (see margin lines), 31
South..... “
STAR COPPER PAINT CO. GEORGE W. BROWN agt
(see front cover, also page 230), 41 South..... “
WILLIAMS S. (see page 148) 181 South..... “
LAUGHLIN JOHN (see page 272), 18 N. Delaware ave. Philadelphia
LUCAS JOHN & CO. (see page 266) 141 & 143 N. 4th.. “

Paints, Oils, etc.

Burgess, Fobes & Co. 80 Commercial..... Portland, Me
STEPHENSON A. B. (see page 34) Commercial bet
Long & Central whfs..... “ “

Baltimore Copper Paint is equal to any in use.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Rahltjen's Composition Paints,

KNOWN AS THE

GERMAN PAINT.

For Painting the Bottoms of Iron and Wooden Ships and Buoys, to prevent Rust, Barnacles, etc.

HENRY GELIEN,

Sole Agent for the United States.

Office and Depot, 155 MAIDEN LANE, New-York.

ESTABLISHED 1848.

G. & R. HUTSON,

HOUSE, SHIP, STEAMBOAT AND DECORATIVE

PAINTERS.

214 West St., bet. Franklin and Harrison Sts., New-York.

SIGN WRITING IN ALL ITS BRANCHES. GILDING, FRESCOING,
GRAINING, KALSOMINING, AND PAPER HANGING.

Wholesale Dealers in Paints, Oils, Glass, Varnish, Brushes, etc., etc.

HENRY SPEAR,

Publisher, Printer and Stationer,

82 WALL STREET,

NEW-YORK.

PUBLISHER OF

The Law of Shipping, General Average Hand-Book of Marine Insurance and Average,
British and American Ready Reckoner, Produce Tables, etc., etc.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Paints, Oils, etc.—Continued.

CARPENTER, WOODWARD & MORTON, store 99 Milk, factory 77 Clinton.....	Boston
FOLSOM C. E. & CO. (see page 82) 9 & 10 India.....	"
GILMAN, FOQUE & SNOW (see page 230), 63 & 65 Broad.	"
PERKINS JOHN W. & CO. (see page 34) 74 & 76 Com- mercial.....	"
Harrison Bros. & Co. 179 Water.....	New-York
HUTSON G. & R. (see page 234) 214 West.....	"
WALTER & FIELDING, 262 South.....	"
Harrison Bros. & Co. 105 S. Front.....	Philadelphia
LUCAS JOHN & CO. (see page 266) 141 & 143 N. 4th.	"
PERRY CHARLES P. 16 N. Delaware ave.....	"
SPEAR & COOPER (see page 298), 402 S. Delaware ave	"
WILSON WILLIAM M. & CO. (see page 292) 206 & 208 Market.....	"
WOODALL WILLIAM E. & CO. 46 Covington.....	Baltimore
SANTOS M. A. & C. A. 118 Main.....	Norfolk
WHITE E. V. & CO. (see page 360) 12 Commercial row....	"
BIRD W. M. & CO. 201 E. Bay.....	Charleston
HOLMES, CALDER & CO. 203 E. Bay.....	"
MILLER WILLIAM C. (see page 396) 93 E. Bay.....	"
STARR H. L. & CO. 5 Whittaker.....	Savannah

Painters, Ship.

Heath Stillman.....	Addison, Me
BAKER THACHER, 122 Commercial and 16 Studio building, Boston	
Bruce P. A. 205 Commercial.....	"
Ellis Samuel F. head Sumner.....	East-Boston
Gorham Bros. 29 Sumner.....	" "
JENKINS HENRY, 6 India sq.....	Boston
LOVELAND JAMES, 63 Sumner.....	East-Boston
Richards E. B. & Co. 109 Sumner.....	" "
Smith J. H. 453 Atlantic ave.....	Boston
Stinson B. H. & Co. 6 New.....	East-Boston
Baylies & Macomber.....	Fall River, Mass
Pitman Samuel.....	" "
Abbott E. G. jr.....	Gloucester, "
Cook W. H.....	East-Gloucester, "
Ellery William P. & Co.....	Gloucester, "
Pew & Davis.....	" "
Oakes & Stevens.....	East-Gloucester, "
Barrows Lawton & Co.....	New-Bedford, "
Blake & Noyes.....	Newburyport, "
Creasey Joseph B.....	" "
Austin Richard H.....	Salem, "
Averill James W.....	" "
Felt John G.....	" "

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Agent, 31 South St., New-York.**

Port Charges, Brazil.

PERNAMBUCO : Charges and dues on a vessel of 237 tons :

	Reis.
Pilotage inward and mooring.....	114,000
Pilotage outward.....	101,340
Steamboat hire in and out.....	48,000
Consul's fees, 25,000 reis ; transacting and certifying manifest, 5000 reis...	30,000
Anchorage dues on 303 tons, Brazilian measurement, at 500 reis per ton....	151,500
Hospital dues on 237 tons register, at 240 reis per ton.....	56,880
Wharfage on 4400 bags of sugar, at 80 reis per ton.....	352,000
Ship-chandler's account, 198,320 reis ; lighterage account, 511,360 reis.....	709,680
Stevedore's account.....	176,000
Hire of tarpaulins.....	6,000
Fees to officers, discharging, 32,000 reis ; and loading, 30,000.....	62,000
Laborers, discharging, 8000 reis ; and loading cargo, 103,680 reis.....	111,680
Coopering cargo.....	40,320
Boat hire, with officers, 8500 reis ; postage, 2000 reis.....	10,500
Cash to captain.....	100,000
Sundries.....	7,280
Clearance papers, 16,000 reis ; licenses, certificates, etc., 23,060 reis.....	39,060
President's dispatch.....	10,000
Wages to seamen paid off.....	70,070
Stamp on homeward freight.....	8,000
Conferente, 5000 reis ; fine for not rigging in jib-boom, 7,500 reis.....	12,500

2,216,810

Commission on disbursements, at $2\frac{1}{2}$ per cent..... 55,420

2,272,230

(About \$1028.24.)

MACEIO : Disbursements and port charges of a vessel of 272 tons register, from Pernambuco to Maceio, and thence Liverpool :

	Reis.
Entrance and clearance.....	25,000
Stamps on freight.....	14,000
Stamps on documents and bills of lading.....	14,200
Government passports.....	23,000
Hospital dues.....	14,320
Contribution to Protestant cemetery.....	10,000
Gratification to guards.....	20,000
Petty expenses.....	10,000
Fees to British vice-consul.....	21,000
Stevedore's account.....	240,000
Ship-chandler's account.....	152,240
Interpreter.....	5,000
Breaking out, lighterage, and marking 202 bags of sugar, at 220 reis.....	44,440
“ “ “ “ “ 1200 bags of cotton, at 320 reis.....	384,000

977,200

Commission on disbursements, 5 per cent..... 49,610

1,026,810

Commission on homeward freight, as per manifest, £883 5s., 5 per cent, £44 3s. ; exchange, $27\frac{1}{4}d$ 385,420

1,412,230

(About \$732.04.)

Painters, Ship.—Continued.

Hanaford J. & Co.....	Salem, Mass
Skerry E. S.....	" "
Tibbets H. H.....	" "
Underwood E. S. & O. D. 13 Bridge.....	Providence, R. I
Clark David, 256 South.....	New-York
Croman & Baker, 160 Maiden lane.....	"
Freitag Conrad, 173 South.....	"
Gardner George N. 708 Water.....	"
Gleasing & Plush, 192 South.....	"
HALL J. I. 89 Pike slip.....	"
HUTSON G. & R. (see page 234) 214 West.....	"
Nelson & Co. 39½ South and 80 Pike.....	"
Shiel Nicholas, 261 South.....	"
Stone William O. 58 E. 13th.....	"
Williams Samuel, 181 South.....	"
GRAHAM WILLIAM W. (see page 272) Palmer s. e. cor Allen.....	"
WELCH JOHN, 130 Thames.....	Philadelphia
WRIGHT JAMES E. (see page 370) 169 Water.....	Baltimore
GILBRETH N. M. (see page 394) 142 E. Bay.....	Norfolk
MILLER WILLIAM C. (see page 396) 93 E. Bay.....	Charleston

Papier-Mache and Composition Carved Ornaments.

(For Ships' Cabins.)

WEBSTER W. W. 51 Commercial.....	Boston
----------------------------------	--------

Photographers.

LEWIS R. A. (see page F, back fly-leaves) 160 Chatham..	New-York
---	----------

*** Pig Tin.**

PHELPS, DODGE & CO. (see outside cover) 11 to 21 Cliff.....	New-York
---	----------

Pile Drivers.

(See also Dock Builders, also Wharf Builders.)

DU BOIS HENRY & SONS (see page 196), 119 South, New-York	
Gunpowder Pile Driver Co. 10 S. Delaware ave.....	Philadelphia
Pomell T. & Son, 418 S. Delaware ave.....	"

*** Pile Driving Machinery and Tools.**

RAWSON & HITTINGER (see page opp index), 72 Main.....	Cambridgeport, Mass
---	---------------------

*** Pilot and Navy Bread.**

(See also Bakers.)

AUSTIN C. F. & CO. (see page 100) 116 Commercial.....	Boston
---	--------

Baltimore Copper Paint is unsurpassed.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

ESTABLISHED 1828.

D. K. HALL & SONS,

169 CHATHAM STREET, NEW-YORK,

Manufacturers and Dealers in all kinds of

Hair, Feathers, Mattresses, FEATHER BEDS,

*Bolsters and Pillows, Comforters, Quilts, Counterpanes, Sheets,
Blankets, Cots,*

WOOD AND IRON BEDSTEADS, TICKS.

Grass, Tow, Husk, Excelsior, and Moss by the Bale.

BED LACE, THREAD, TWINES, etc., etc., etc.

The Oldest and Largest Bedding Warehouse in the United States.

All of our Buildings are connected together, comprising a superficial area of more than 35,000 square feet.

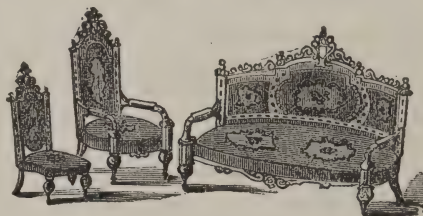
Hotels, Steamboats, Ships, and Private Residences furnished at Lowest Cash Rates.

Manufactory: 3, 5, & 7 James Street. Warehouse: 169 Chatham Street.

HENRY P. DEGRAAF.

R. M. TAYLOR.

WM. H. DEGRAAF



DEGRAAF & TAYLOR, Furniture, Carpets and Mattresses,

WHOLESALE AND RETAIL.

MANUFACTORY AND WAREHOUSES:

87 and 89 Bowery, 65 Chrystie Street, and 130 and 132 Hester Street,
NEW-YORK.

[CONNECTED UNDER ONE ROOF.]

We have now on hand the largest stock of entirely new patterns and designs for furnishing houses throughout ever offered by one house in the city, and at a great deduction in price.

The MATTRESS DEPARTMENT is entirely under our supervision, all being made on the premises. Every Mattress guaranteed.

Steamboats, Hotels, Churches, Public Halls, and Private Houses, furnished throughout at wholesale prices.

The Floating Palaces—the steamers of the People's Line—on the Hudson River were furnished by us.

PRICES DEFY COMPETITION. Second and Third Avenue Cars pass our Stores.

Entrance, 87 and 89 Bowery, New-York.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

*** Pilots.***(See also Encyclopedia Index.)*

AUSTIN JOSEPH, 57 Fulton.....Boston

*** Pipe Cutting and Threading Machines.**

THE CHASE MNFG. CO. (see page 142) 120 Front...New-York

*** Planing Mills.**

McQUESTEN & FOGG (see page 100), 170 Border....East-Boston

KIERSTED & SMITH (see page 204), 176 & 178

E. 116th.....Harlem, New-York

GRAVES WILLIAM A. (see page 378) 211 to 219 Water, Norfolk

Plumbers.*(Ship and Steamboat.)*

TORREY MNFG. CO. (see bottom margin lines and page

10) Commercial.....Bath, Me

Watson S. J.....“ “

Watson & Gannett.....“ “

Winslow & Gerry.....Bath, “

DONNELL C. A. (see page 42) 118 Fore.....Portland, “

Bass Benjamin F.....Rockport, “

APPLETON J. & E. (see page 114) 382 Commercial.....Boston

CARRUTHERS & CO. 1 Maverick sq.....East-Boston

DONNELL FRANK P. 295 Commercial.....Boston

WATERS WILLIAM jr. 141 Sumner.....East-Boston

BISHOP & GRADY (see page 162), 210 South.....New-York

FIELD CHARLES E. 117 Wall.....“

HERNE & CLARK, 18 Dover.....“

STEELE W. FLEET (see page 276), 3 South.....Philadelphia

ROBINS A. K. & CO. (see page 320) 23 York....South-Baltimore

ROCHE JOHN, 202½ Light.....Baltimore

HALL L. A. & CO. (see page 370) 146 Water.....Norfolk

THOMPSON GEORGE J. & CO. (see page 380) 227 E.

Bay.....Charleston

*** Plumbing Tubes.**

AMERICAN TUBE WORKS, 97 State.....Boston

Printers.

GREEN S. W. 16 & 18 Jacob (see advt.).....New-York

LEE HOMER & CO. (see page 174) 62 Liberty.....“

Pump Makers.*(See also Block and Pump Makers.)*

Burns & Bryant, r 121 Commercial.....Portland, Me

Cammett John, 6 Portland pier.....“ “

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Agent, 31 South St., New-York.**

Port Charges, Brazil.—Continued.

MAROM : Expenses on a vessel of 131 tons register (212 Brazilian tons), ballast in and cargo out :

	Reis.
Pilotage in (8 feet).....	53,000
Discharging ballast, 70 tons.....	70,000
Steam-tug outward.....	233,200
Anchorage dues.....	40,330
Sundries (entering, clearing, etc.).....	33,820
Lighterage on 203 cases sugar.....	203,000
200 bags sugar.....	20,000
Stevedore.....	71,360
Bill of health.....	2,000
Dunnage.....	8,000
Government passport.....	12,260
	<hr/>
	747,000

	£	s.	d.
Total expenses about.....	60	17	7
Commission on freight, 3 per cent.....	13	5	3

74 2 10

Freight :			
203 cases sugar.....	388	8	10
202 bags sugar.....	32	12	2

421 1 0

5 per cent primage.....	21	1	0
-------------------------	----	---	---

Total freight.....442 2 0 (About \$2138.76.)

BAHIA : Port charges of a vessel of 320 tons register :

	Reis.
Customs entry and stamps.....	10,000
Customs translation of manifest.....	10,000
Customs stamps and permits.....	3,200
Brazilian hospital dues, 11 hands, at 640 reis.....	7,040
Government imposts for lights, etc.....	15,100
Government bill of health.....	3,200
Anchorage dues, 320 tons register (416 Brazilian tons), at 300 reis.....	124,800
Stamps on clearance documents and bills of lading.....	3,840
British consul's fees.....	24,960
Stevedore's account, stowing cargo, cases, barrels, and bags, at 400 reis, 80 reis, and 30 reis.....	168,880
	<hr/>
	371,020

(About \$1900.48.)

RIO-DE-JANEIRO : Expenses on a vessel of 200 tons register :

	Reis.
Clearance at the Custom House inward.....	10,000
Translation of manifest, 7500 ; comparing ditto, 5000.....	12,500
Custom House officers.....	67,000
Stamps and boat hire.....	1,160
Custom House charges.....	10,000
2½ per cent commission on inward freight.....	91,760
Clearance outward.....	15,000
Tonnage and harbor dues.....	143,140
Guard on board, 5000 reis ; sundries, 10,710 reis.....	15,710
	<hr/>
	366,270

(About \$200.80.)

Pumps.—Continued.

Conner Thomas, 97 Commercial.....Portland, Me
KANAWHA PUMP WORKS (see page 162), 103
Chambers.....New-York
SHUBERT & COTTINGHAM (see page 320), 120 N.
wharves.....Philadelphia
KANAWHA PUMP WORKS (see page 162), 74 Camden. Baltimore

Pumps.

(Ship's Deck, Main and Force.)

MOULTON GEORGE & SON (see page 18).....Bath, Me
Plummer & Eaton.....“ “
TORREY MNFG. CO. (see margin lines).....“ “
Knowlton D. & Co.....Camden, “
DONNELL C. A. (see page 42) 118 Fore.....Portland, “
Torrey J. G. & Son.....Rockland, “
COFFIN & WOODWARD (see page 54), 224 State.....Boston
STONE HENRY M. (see page 80) 132 Commercial.....“
Russell, Albert & Sons.....Newburyport, Mass
BUCKLEY & MERRITT (see page 138), 156 South....New-York
BURHANS & GEORGE (see page 252), 164 Maiden lane.. “
SNELLING J. & CO. (see page 144) 158 South.....“
THOMPSON JOSEPH (see advt.), 36 Burling slip.....“
WHITFIELD JAMES M. & SON, 262 Water.....“
Newcomb W. 4 Covington.....Baltimore
WHITE E. V. & CO. (see page 360) 12 Commercial row...Norfolk

Pumps, Steam.

(Marine.)

BLAKE GEO. F. MNFG. CO. (see page 58) Causeway.....Boston
Boston Lead Co. J. H. Chadwick & Co. agts, 24 & 26 Oliver.. “
Boston Pump Co. 47 Central whf.....“
Foster & Roby, 178 & 180 Commercial.....“
Hersey Bros. W. 2d cor E.....“
Hill, Clarke & Co. 131 Milk.....“
Hunt, Twitchell & Co. 45 Arch.....“
Knowles Works, 14 & 16 Federal & 113 Congress.....“
Mills William & Co. 99 & 101 Washington.....“
Morton A. M. & Co. 87 Friend.....“
Paul George K. & Co. 64 & 66 Union.....“
Post Etting, 15 Province.....“
Smith Simeon B. 53 Bromfield.....“
STONE HENRY N. 132 Commercial (see page 80).....“
Walworth Mnfg. Co. 69 Kilby.....“
Wiswall & King, Quincy Hall.....“
Valley Machine Co.....Easthampton, Mass
Merrimack Machine Shop, A. Blood, Medford.....Lawrence, “

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

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Upholstery and Bedding,

No. 35 FULTON STREET,

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Window Shades and Mosquito Nets, Folding Beds, Spring Beds, Chairs, Camp Stools, Steamer Chairs, Sheets, Blankets, Comforters, Pillow Cases, Table Cloths, Towels, Feathers, Hair and Moss, Wholesale and Retail.

STEAMSHIPS AND SAILING VESSELS FURNISHED.

Commission Merchants' and Ship Chandlers' Orders promptly filled. Sea Captains and Outfitters of Vessels will profit by affording me an opportunity of furnishing estimate.

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Wholesale and Retail Dealer in

FEATHERS, CURLED HAIR, MOSS, CORN HUSKS, AND DEALERS' SUPPLIES.

Manufacturer of all kinds of

Spring Beds, Mattresses, Bedding, Bedsteads, Cots, etc.

Peasley's Patent Steam Feather Renovator, warranted to remove all offensive smell from feathers.

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Cots,

Manufactured and sold by

HOWE SPRING BED CO.,

173 Canal Street, New-York.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

NEW-JERSEY PILOT BOATS.

1. Thomas S. Negus,
2. Ezra Nye,

3. David Mitchell,
4. Mary E. Fish,
5. W. W. Story,

6. James G. Bennett,
7. James W. Elwell.

OFFICE, 105 SOUTH STREET, N. Y.

TABLE OF PILOTAGE,

AS ESTABLISHED BY

An Act of the Legislature of the State of New-York,

PASSED, MARCH 17, 1865.

FROM APRIL 1ST TO NOVEMBER 1ST.

FROM NOV. 1ST TO APRIL 1ST.

FOUR DOLLARS ADDITIONAL.

Feet and Inches.	INWARD.				OUTWARD.		Feet and Inches.	INWARD.				OUT- WARD.
	Rate.	Pilotage.	Off Shore.	Total.	Rate.	Pilotage.		Pilotage.	Off Shore.	Total.		
6	\$3 70	\$22 20	\$5 55	\$27 75	\$2 70	\$16 20	6	\$26 20	\$5 55	\$31 75	\$20 20	
6.6	3 70	24 05	6 01	30 06	2 70	17 55	6.6	28 05	6 01	34 06	21 55	
7	3 70	25 90	6 48	32 38	2 70	18 90	7	29 90	6 48	36 38	22 90	
7.6	3 70	27 75	6 94	34 69	2 70	20 25	7.6	31 75	6 94	38 69	24 25	
8	3 70	29 60	7 40	37 00	2 70	21 60	8	33 60	7 40	41 00	25 60	
8.6	3 70	31 45	7 86	39 31	2 70	22 95	8.6	35 45	7 86	43 31	26 95	
9	3 70	33 30	8 33	41 63	3 70	24 30	9	37 30	8 33	45 63	28 30	
9.6	3 70	35 15	8 79	43 94	2 70	25 65	9.6	39 15	8 79	47 94	29 65	
10	3 70	37 00	9 25	46 25	2 70	27 00	10	41 00	9 25	50 25	31 00	
10.6	3 70	38 85	9 71	48 56	2 70	28 35	10.6	42 85	9 71	52 56	32 35	
11	3 70	40 70	10 17	50 87	2 70	29 70	11	44 70	10 17	54 87	33 70	
11.6	3 70	42 55	10 64	53 19	2 70	31 05	11.6	46 55	10 64	57 19	35 05	
12	3 70	44 40	11 10	55 50	2 70	32 40	12	48 40	11 10	59 50	36 40	
12.6	3 70	46 25	11 56	57 81	2 70	33 75	12.6	50 25	11 56	61 81	37 75	
13	3 70	48 10	12 02	60 12	2 70	35 10	13	52 10	12 02	64 12	39 10	
13.6	3 70	49 95	12 49	62 44	2 70	36 45	13.6	53 95	12 49	66 44	40 45	
14	4 50	63 00	15 75	78 75	3 10	43 40	14	67 00	15 75	82 75	47 40	
14.6	4 50	65 25	16 31	81 56	3 10	44 95	14.6	69 25	16 31	85 56	48 95	
15	4 50	67 50	16 87	84 37	3 10	46 50	15	71 50	16 87	88 37	50 50	
15.6	4 50	69 75	17 43	87 18	3 10	48 05	15.6	73 75	17 43	91 18	52 05	
16	4 50	72 00	18 00	90 00	3 10	49 60	16	76 00	18 00	94 00	53 60	
16.6	4 50	74 25	18 56	92 81	3 10	51 15	16.6	78 25	18 56	96 81	55 15	
17	4 50	76 50	19 12	95 62	3 10	52 70	17	80 50	19 12	99 62	56 70	
17.6	4 50	78 75	19 69	98 44	3 10	54 25	17.6	82 75	19 69	102 44	58 25	
18	5 50	99 00	24 75	123 75	4 10	73 80	18	103 00	24 75	127 75	77 80	
18.6	5 50	101 75	25 44	127 19	4 10	75 85	18.6	105 75	25 44	131 19	79 85	
19	5 50	104 50	26 12	130 62	4 10	77 90	19	108 50	26 12	134 62	81 90	
19.6	5 50	107 25	26 81	134 06	4 10	79 95	19.6	111 25	26 81	138 06	83 95	
20	5 50	110 00	27 50	137 50	4 10	82 00	20	114 00	27 50	141 50	86 00	
20.6	5 50	112 75	28 19	140 94	4 10	84 05	20.6	116 75	28 19	144 94	88 05	
21	6 50	136 50	34 12	170 62	4 75	99 75	21	140 50	34 12	174 62	103 75	
21.6	6 50	139 75	34 94	174 69	4 75	102 12	21.6	143 75	34 94	178 69	106 12	
22	6 50	143 00	35 75	178 75	4 75	104 50	22	147 00	35 75	182 75	108 50	
22.6	6 50	146 25	36 56	182 81	4 75	106 87	22.6	150 25	36 56	186 81	110 87	
23	6 50	149 50	37 37	186 87	4 75	109 25	23	153 50	37 37	190 87	113 25	
23.6	6 50	152 75	38 19	190 94	4 75	111 62	23.6	156 75	38 19	194 94	115 62	
24	6 50	156 00	39 00	195 00	4 75	114 00	24	160 00	39 00	199 00	118 00	
24.6	6 50	159 25	39 81	199 06	4 75	116 37	24.6	163 25	39 81	203 06	120 37	
25	6 50	162 50	40 62	203 12	4 75	118 75	25	166 50	40 62	207 12	122 75	

Transportation, North to East River, and *vice versa*, \$5.

Hauling to or from wharf, \$3.

Detention, \$3 per day.

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Caboozes and Galley Outfits.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Brazil.—Continued.

SANTOS : Expenses on a vessel of 345 tons register, from Liverpool, with cargo to Bahia :

	Reis.
Clearance inward and outward at Custom Houses and at Captain of Port's office.....	60,000
Translation and copy of manifest.....	25,000
Permits, stamps, and postages.....	22,800
Conferring manifest and taking out "desembaraco".....	30,000
Pilot.....	16,000
Bridge for taking ballast.....	15,000
Consulate, 6 papers, at 2400 reis.....	14,400
" noting protest.....	2,400
" extending protest.....	16,800
Tonnage dues (459 toneladas, at 150 reis).....	68,850
Tonnage stamps.....	2,200
Hospital dues.....	12,400
Difference in the manifest to Custom House.....	4,170
Passport.....	10,240
Captain of the Port.....	4,000
100 tons ballast, at 1500 reis.....	150,000
Bill of health.....	3,500
20½ days' labor on board, at 2000 reis.....	41,000
	<hr/> 498,760
	(About \$271.04.)

PARANAGUA : A vessel paid the following charges and dues :

	Reis.
Ligherage on 3069 bags, at 100 reis.....	306,900
Stowing 18,500 arrobas, at 4 reis.....	74,000
Pilotage to the bar.....	40,000
Pilotage to sea.....	22,000
Clearance, etc.....	121,450
Ballast.....	45,000
	<hr/> 609,350
	(About \$682.08.)

SANTA CATHARINA : Charges on a vessel of 256 tons register :

	Reis.
Pilotage in and out.....	32,000
Anchorage dues, 332 tons, at 300 reis.....	99,600
Clearing and reporting.....	20,000
Stamps and documents.....	1,920
Hospital dues for crew.....	5,600
Hospital dues for ship.....	6,640
Certificate and permit.....	2,600
Certificate of health.....	3,400
Customs charges.....	12,000
Consul's fees.....	10,000
Translating manifest.....	7,500
Pass for Santa Cruz.....	2,000
	<hr/> 203,260
	(About \$227.36.)

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Pumps, Steam.—Continued.

Fulton Hydraulic Works (Deane G. H. & Co.).....Springfield, Mass
 Knowles Steam Pump Works.....Warren, "
 The Washburn Steam Works.....Worcester, "
 HARDICK C. B. (see opp title-page) 23 Adams.....Brooklyn, N. Y
 HUBBARD & ALLER (see opp title-page), 93 to 97

Pearl....." "
 BROWN A. & F. 59 Lewis.....New-York
 Blatchley Charles G. 506 Commerce.....Philadelphia
 Burr David A. 1221 Market....."
 Conde C. A. & Co. 1038 Ridge ave....."
 Douglass W. & B. 156 N. 5th....."
 Erdman Daniel R. 825 N. 19th....."
 Hughes & Son, 2320 Ridge ave....."
 Hydrostatic and Hydraulic Co. of Pa. 913 Ridge ave....."
 Kelly, Howell & Ludwig, 917 Market....."
 Keystone Pump Co. 1124 Market....."
 Lister Alfred A. Lancaster ave nr 50th....."
 Philadelphia Hydraulic Works, Evelina cor Levant....."
 Potter & Hoffman, 19 S. 4th....."
 Read Lewis K. 428 Walnut....."
 Robertson George W. 156 N. 6th....."
 BLAKE GEO. F. MNFG. CO. (see page 58) 50 & 52 S. Canal.Chicago

*** Real Estate Brokers.**

BEECKMAN L. & T. H. (see page 192) 81 Cedar.....New-York

Record of American and Foreign Shipping.

AMERICAN LLOYD'S (see page 202), 16 Burling slip..New-York
 AMERICAN SHIPMASTERS' ASSOC. (see page 226)
 37 William....."

*** Restaurant.**

SPENCER J. T. (see page 248) 59th cor Fifth ave.....New-York

Riggers.

Hennessey & Angley.....Bangor, Me
 Palmer Frank.....Bath, "
 Reed Z. & Son....." "
 Dennett Joseph.....Belfast, "
 Witham Samuel....." "
 Fifield E. S.....Brewer, "
 Bowden Elias.....Bucksport, "
 Baker Samuel.....Eastport, "
 Maling John B.....Kennebunkport, "
 Guptill G. P.....Machiasport, "
 Stuart J. S....." "
 Allen Charles G. Monroe cor Greenleaf.....Portland, "

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

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P. O. Box 4778.

Editor and Sole Proprietor.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Riggers.—Continued.

Boyd & Hanson, Franklin whf.....	Portland, Me
McKeown John, 123 Commercial.....	" "
Neal Alvan, Atlantic whf.....	" "
Roslin Andrew G.....	Rockland, "
Bohndell Henry.....	Thomaston, "
Dunn Thomas W.....	" "
Longley John.....	" "
Kuhn Gilbert.....	Waldoboro, "
Kuhn W. H.....	" "
Bolan Charles.....	Winterport, "
Dearing Albion K. P.....	Portsmouth, N. H
Muchmore Joseph C.....	" "
Bartley George W. 99 Sumner.....	East-Boston
Bell & Pollex, 31 Commercial.....	Boston
Cowin & Chessman, head Commercial whf, n s.....	" "
Crafts J. L. 15 Foster's whf.....	" "
Johnson A. Mill.....	" "
LOW ALBERT B. (see p. C, front fly-leaves) 291 Comm'e'l..	" "
LOW FRANCIS & CO. (see page C, front fly-leaves) n s	" "
Union whf.....	" "
Miller & Stark, 34 New.....	East-Boston
Morrison & Foy, 11 T whf.....	Boston
Wilson & Billman, 81 Commercial.....	" "
Courtney Dennis.....	Edgartown, Mass
Smith John.....	" "
Sawyer Robert W.....	Fall River, "
Bowens & Easterbrook.....	Gloucester, "
Merlett Moses.....	" "
Peterson Ichabob.....	Kingston, "
Simms Thomas.....	Gloucester, "
Somes George W. & Co.....	" "
Witham Addison & Co.....	" "
Pritchard J. B. & Co.....	Newburyport, "
Searell Charles.....	New-Bedford, "
Baxter Robert D.....	Provincetown, "
Bennett Petter.....	" "
Gross George T.....	" "
Wilson Frederick.....	Salem, "
Williams L. W.....	Wellfleet, "
Anderson John & Co. 40 Dover.....	New-York
Behrens Augustus, 164 South.....	" "
Beverly George W. 32 South.....	" "
Bolger Peter, 515 E. 19th.....	" "
Brady & Monaghan, 23 Old slip.....	" "
Bremer Henry, 26 Coenties slip.....	" "
Christie Martin, 32 Old slip.....	" "
Cochran William, 254 South.....	" "

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

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Towing to and from *Philadelphia, Boston, Washington* and other ports in the United States, by the large and powerful Steam Tug

CYCLOPS,

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The CYCLOPS has all the necessary appliance for wrecking, having the largest wrecking and fire pumps in use.

Also Sea and Harbor Towing by the following additional powerful Tugs:

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C. P. RAYMOND,

UNION, and others.

All Orders will meet with Prompt attention.

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LADIES' AND GENTS'

Oyster and Refreshment Rooms,

MAIN ENTRANCE TO CENTRAL PARK,

CHOICE

Ales, Wines, Liquors and Cigars.

J. T. SPENCER, Proprietor.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Riggers.—Continued.

Cuming, Seely & Co, 27 Coenties slip.....	New-York
Dixon & Bro. 31 Old slip.....	"
Engelke, Anderson & Dopman, 10 South.....	"
Evans Edward A. 193 South.....	"
Fisher Charles J. 60 South.....	"
Flood William, 32 Old slip.....	"
Graney Thomas, ft W. 14th.....	"
Hall Benjamin J. & Bro. 69 South.....	"
Hashagan & Brummerhop, 47 West.....	"
Hobart Charles B. 92 West.....	"
Hooper Daniel, 205 South.....	"
Kelly Thomas, 32 Old slip.....	"
Koch & Olsen, 10 South.....	"
Kruse Frank, 47 West.....	"
Leighton Samuel, 22 Coenties slip.....	"
Lohf Charles H. 5 William and 22 Coenties slip.....	"
Lovell & Sinclair, 28 Coenties slip.....	"
LOW PHILIP B. (see page 222) 115 South.....	"
Mailler John E. 40 South.....	"
Moore William H. & Bro. 205 South.....	"
Murray Philip, 31 Old slip.....	"
Ostrom & Morris, 153 South.....	"
Quigley Thomas, 88 Pine.....	"
Roberts William & Son, 34 Old slip.....	"
Robinson Ezeriah, 399 West.....	"
Sandbloom Augustus, 182 South.....	"
Sandy Samuel, 31 Old slip.....	"
Santes Joseph, 153 South.....	"
Scott Peter, 217 West.....	"
Shaw William, 67 South.....	"
Sloan William, 32 South.....	"
Smith Daniel, 156 Maiden lane.....	"
Snow & Carver, 23 South.....	"
Swager Frederick, 131 Ave D.....	"
Thompson & Philipsen, 22 South.....	"
Walsh Bros. 333 West and 740 Water.....	"
Watson John, 622 W. 52d.....	"
Wilkins H. 67 South.....	"
Williams Henry S. 154 South.....	"
Wilson C. E. & Son, 31 Old slip.....	"
Wilson M. K. & Co. 41 South.....	"
Zitlosen & Arfman, 56 West and Beaver cor William.....	"
Bennett Lawrence, 48 N. 7th.....	Philadelphia
Benson George's Sons, 141 S. Delaware ave.....	"
Brown & Tayler, 302 S. Delaware ave.....	"
Corcoran John, 217 Union.....	"
Conner John, 310 S. Delaware ave.....	"

Baltimore Copper Paint is equal to any in Use.

Use the best, Tarr & Wonson's Copper Paints. John
C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Brazil.—Continued.

RIO GRANDE DO SUL : Port charges on a vessel of 185 tons register :

	Reis.
Pilotage on the bar, at 280 reis per ton.....	68,600
Boat on the bar.....	19,200
Pilotage, bar to Sao Jose do Norte.....	16,000
Anchorage dues, at 300 reis per ton.....	73,500
Hospital dues, ship and crew.....	8,480
Custom House pass and seals.....	19,200
President's pass.....	2,400
Towage outward, at 640 reis per ton.....	156,800
Premium on same for national currency, at 8 per cent.....	29,139
Custom House agency.....	32,000
Pilotage to bar.....	16,000
	<hr/> 441,814

(About \$240.28.)

Port Charges, China.

COMMISSION ON SHIPPING :

- On procuring freight, 5 per cent.
- On receiving inward freight, 1 per cent.
- On ship's disbursements, 2½ per cent.

TONNAGE DUES : Merchant vessels of more than 150 tons burden shall be charged tonnage dues at the rate of 37 cts. per ton ; if of 150 tons and under, they will be charged at the rate of 15 cts. per ton.

CANTON : Charges on a vessel of 644 tons register :

Tonnage dues.....	\$386 00
Towage from Hong Kong, and dockage at Whampoa.....	500 00
Medical attendance (during stay).....	25 00
Pilotage from Whampoa to Macao, 14 feet.....	32 00
	<hr/> \$943 00

SWATOW : Rate of pilotage is \$3 per foot.

- For customs and tonnage dues, see China.
- For shipping commissions, see China.

KE-LUNG-FORMOSA : Town dues (mandarin fees) are paid by masts and half-masts : A schooner, 1½ masts, 75 Spanish dollars ; brig, 2 masts, 100 Spanish dollars ; bark, 2½ masts, 125 Spanish dollars.

For tonnage and shipping dues and commission, see China.

TAIWAN-FU : A vessel of 915 tons partially loaded a cargo of sugar here (finishing at Takau). Freight, £3 per ton. Estimated loss from drainage, 5 per cent. Ballast is thrown overboard, and no pilotage to pay. Tonnage dues, see China.

FOO-CHOO-FOO : Charges and dues on a vessel of 1199 tons register, ballast in and cargo out :

Towage, in and out.....	\$500 00
Sampan, attending the ship.....	46 00
Pilotage, in and out.....	176 00
Stevadore, leveling ballast, stowing 1764 tons tea, finding dunnage and labor.....	225 00
	<hr/> \$947 00

Riggers.—Continued.

Cook J. Perran, 100 N. 7th.....	Philadelphia
Cutler Thomas & Son, 514 S. Delaware ave.....	"
Edwards Charles, 22 N. 7th.....	"
English Edwin, 20 Catharine.....	"
Gillis John, 101 Almond.....	"
Hare Daniel, 29 Poplar.....	"
Higgins Edward N. 40 Almond.....	"
Lovett Charles, r 607 Annapolis.....	"
McDERMOTT CORNELIUS, 114 Almond (see page 292).....	"
Moorman & Irvine, 334 S. Delaware ave.....	"
Morris Alexander, 20 Mead.....	"
Speakman Robert E. 235 Washington ave.....	"
Thomas James & Son, 28 N. Delaware ave.....	"
Wilson Nathan McK. 413 Dickinson.....	"
Feaster S. H. & A. S. 3d st Bridge.....	Wilmington, Del
Taylor John, Tatnall & Water.....	" "
Wode Samuel, 516 Lombard.....	" "
Brown & Du Paepe, 16 Philpot.....	Baltimore
Irwin Jacob H. Pratt cor Hollingsworth.....	"
Williams Joseph W. 113 Thames.....	"
EDWARDS & KING (see page 364), 1 & 2 Campbell's whf.....	Norfolk
Jefferson G. W. & Son, 11 Pinckney.....	Charleston

*** Riggers' Tools.**

LEWIS & MISENER (see advt.), 96 Lewis.....	East-Boston
--	-------------

*** Rivets.***(Brass and Copper.)*

BENEDICT & BURNHAM MNFG. CO. (see back cover), 55 & 57 Oliver.....	Boston
PLUME & ATWOOD MNFG. CO. 13 Federal.....	"

*** Rivets.***(Iron.)*

LORING, ABBOTT & CO. (see page 68) 103 Fulton.....	Boston
--	--------

Roller Bushing.

TORRY MNFG. CO. (see margin lines, also page opp Index) Commercial.....	Bath, Me
---	----------

*** Rudder Backers and Hangings.**

BURHANS & GEORGE (see page 252), 164 Maiden lane..	New-York
--	----------

New-Bedford Caboose and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Balto.

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James Gregory.

Wm. Gregory.

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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Sail Makers.

Lambard & Clifford.....	Bath, Me
Sanford S. W.....	" "
Bradford, Berry & Co.....	Bangor, "
Currier William I.....	" "
Elder E. W. & Co.....	" "
Hatton & Coffin.....	" "
Pearson S. T. & Co.....	" "
Dennet Joseph.....	Belfast, "
Thombs C. R.....	" "
Pool James.....	Boothbay, "
Seavy Granville J.....	" "
Currier & Plumber.....	Brewer, "
Emerson E. P.....	Bucksport, "
Hutchins Benjamin L.....	Calais, "
Hutchins J. & Sons.....	" "
Stetson J. F.....	Camden, "
Haskell S. B.....	Deer Isle, "
Bates Robert.....	Eastport, "
Card J. T.....	" "
Brooks Joy & Co.....	Ellsworth, "
Dennett J. & Co.....	" "
Vigoureaux Joseph H.....	Gardiner, "
Hooks Henry W.....	Harrington, "
Seavey Stephen.....	Kennebunkport, "
Saunders Henry E.....	Machiasport, "
Waide H. B.....	" "
CARTER & BLAKE, 5 Central whf.....	Portland, "
Fickelt Major S. 117 Commercial.....	" "
Fowler J. & J. 7 Commercial whf.....	" "
GOOLD WILLIAM, 3 Moulton.....	" "
LEAVITT F. A. (see page 38) 49½ Exchange.....	" "
MUNSEY S. C. & CO. head Commercial whf.....	" "
SAWYER E. A. & CO. (see page 34) 161 Commercial..	" "
WAITE ALBERT H. (see page 38) Widgery's whf.....	" "
YORK JOSEPH S. (see page 34) 4 Central whf.....	" "
Hodges C. H. & G. F.....	Richmond, "
Edwards & Dunning.....	Rockland, "
Mugridge Bros.....	" "
Perry Horace.....	" "
Aldrich James.....	Rockport, "
McIntyre John.....	" "
Dunn & Elliot.....	Thomaston, "
Washburn George K.....	" "
Redman Charles P.....	Waldoboro, "
Wetmore James I.....	Winterport, "
Elmes W. W.....	Wiscasset, "
Taggart J. W.....	" "

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

LONDON PRINTED RATES.

Wheat.	Pease, Tares, Beans, 10 per cent more.	Rye, 7½ per cent less.	Linseed, 10 per cent less.	Barley, 15 per cent less.	Oats, 22½ per cent less.
1s. 0d.	1s. 1½d.	0s. 11 ¹ / ₁₀ d.	0s. 10 ³ / ₈ d.	0s. 10 ¹ / ₂ d.	0s. 9 ³ / ₁₀ d.
1 3	1 4½	1 1 ⁷ / ₈	1 1½	1 0 ³ / ₄	0 11 ⁵ / ₈
1 6	1 7½	1 4 ¹ / ₂	1 4 ¹ / ₈	1 3 ¹ / ₁₀	1 1 ¹ / ₂
1 9	1 11 ¹ / ₁₀	1 7 ¹ / ₁₀	1 6 ⁹ / ₁₀	1 5 ¹ / ₂	1 4 ¹ / ₁₀
2 0	2 2 ³ / ₈	1 10 ¹ / ₂	1 9 ³ / ₈	1 8 ³ / ₈	1 6 ³ / ₈
2 3	2 5 ⁷ / ₁₀	2 0 ³ / ₄	2 0 ³ / ₁₀	1 10 ³ / ₂₀	1 8 ³ / ₄
2 6	0 9	2 3 ¹ / ₄	2 3	2 1½	1 11 ¹ / ₄
....	....	2 6 ¹ / ₁₀	2 5 ⁷ / ₁₀	2 4 ¹ / ₂₀	2 1 ³ / ₁₀
....	3 3 ³ / ₈	2 9 ³ / ₁₀	2 8 ³ / ₈	2 6 ³ / ₈	2 3 ⁹ / ₁₀
....	3 6 ⁹ / ₁₀	3 0 ³ / ₄	3 11 ¹ / ₁₀	2 9 ³ / ₂₀	2 6 ⁹ / ₁₀
....	....	3 2 ¹ / ₁₀	3 1 ¹ / ₂	2 11 ⁷ / ₁₀	2 8 ¹ / ₂
3 9	....	3 5 ¹ / ₂	3 4 ¹ / ₂	3 2 ¹ / ₄	2 10 ¹ / ₄
4 0	....	3 8 ³ / ₈	3 7 ¹ / ₈	3 4 ³ / ₈	3 1 ¹ / ₂
4 3	4 8 ¹ / ₁₀	3 11 ⁷ / ₁₀	3 9 ⁹ / ₁₀	3 7 ⁷ / ₂₀	3 3 ¹ / ₁₀

The proportion of the Dutch rye-last or French hectoliter to the British wheat-quarter is as follows : 100 imp. quarters = 290⁷/₁₀ Dutch mudds or French hectoliters ; accordingly, the last of 30 mudds or hectoliters = 10³/₁₀ quarters. Is the ship therefore chartered at 3s. for wheat, it makes at the exchange of fl. 11.80 per last rye ; according to Dutch usance, fl. 16.59 ; according to London printed rates, fl. 16.88.

Goods proportioned in stowage to a keel = 850 cubic feet = about 14 tons reg. N. M.

97	quarters wheat	= a keel, or 850 cubic feet.
88	" tares, beans, and pease	" " " " "
105	" rye	" " " " "
108	" seed	" " " " "
114	" barley	" " " " "
125	" oats	" " " " "
10	tons clean hemp and flax	" " " " "
9.107	" out short hemp and flax	" " " " "
7.760	" half clean " " "	" " " " "
5.825	" cordilla	" " " " "
17	" tallow	" " " " "
17	loads <input type="checkbox"/> timber	" " " " "
14.923	" O "	" " " " "
About 5 ⁷ / ₁₀	standard deals	" " " " "
16	tons best bones	" " " " "
12	" " manure bones	" " " " "

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Sail Makers.—Continued.

Holbrook J. R.	Portsmouth, N. H
Walker Charles	" "
Foster George B.	Beverly, Mass
Foster Israel	" "
Alexander R. R. & Co. 304 Commercial	Boston
AMERIGE HENRY & CO. 1 Commercial whf	"
BAKER & PRINCE (see page 106), end India whf	"
Blaney T. R. 122 Commercial	"
Bowen R. S. & Co. 173 State	"
BREWER & WHEELER (see page 6), 498 Atlantic ave.	"
Chessman George H. 35 Commercial	"
Child & Crocker, 2 N. Market	"
Clapp George F. 21 Commercial	"
COUSENS & PRATT (see page B, front fly-leaves), 3 Commercial	"
Crocker & Otis, 105 Commercial	"
Cushing H. G. 86 Commercial	"
Day Charles & Co. 22 N. Market	"
Delano & Taylor, 230 State	"
Devereux John N. 122 Central	"
Dow & Berry Bros. 81 Commercial	"
Easton J. R. 242 Commercial	"
Erickson Andrew, 38 N. Market	"
Everdean Joseph, 291 Commercial	"
GALLAGHER C. H. & CO. 15 Commercial whf	"
HAMMOND & TERHUNE (see page 110), 234 Commercial	"
Holway Bros. & Woodbury, 300 Commercial	"
Hoyt Thomas D. 51 Commercial	"
Hutchinson & Rogers, 4 Commerce	"
Kingman George & Co. 43 Commercial	"
Lamprell & Marble, 357 Commercial	"
Lund Andrew J. 234 Commercial	"
LYNCH W. H. & CO. (see page 106) 22 N. Market	"
MARTIN JAMES & SON (see page 106), 114 Commercial	"
Matthews George & Son, 89 Commercial	"
McLauthlin J. L. & R. H. 27 Commercial	"
McManus J. H. 57 Commercial whf	"
Miller Robert, 15 Foster's whf	"
NELSON M. 102 Commercial	"
Nichols A. M. 146 Commercial	"
Norton D. jr. 132 Broad	"
Palfray B. C. 379 Commercial	"
Palmer L. B. & Co. 69 Commercial	"
Peterson Theodore, 76 Sumner	East-Boston
Pinkham Edwin, 252 Commercial	Boston
Ricketson & Decker, 14 N. Market	"
Robinson William & Co. 35 Commercial	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

RICHARD B. WILLIAMS,

Successor to JOHN S. LEE & CO.,

46 & 48 North Wharves,

PHILADELPHIA,

MANUFACTURER OF AND DEALER IN

C O R D A C E,

Anchors and Chains,

WIRE ROPE,

AND WHOLESALE DEALER IN

Ship Chandlers' Supplies

IMPORTER OF THE CELEBRATED BRAND

Delaware Gilling Twines.

NETS of all descriptions knit to order

Out of the best material, on the most improved Machines.

—...—

Fishermen's Goods

A SPECIALTY.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

TRUSTEES CITY ICE BOATS, PHILADELPHIA, 1875.

C. A. GRISCOM, *President.*

E. T. HALLIWELL, *Secretary.*

BOARD OF TRUSTEES:

C. A. Griscom, George W. Mears, Galloway C. Morris, E. T. Halliwell,
Thomas J. Martin, Robert Patterson.

Office: 115 Walnut Street.

RATES OF TOWAGE WHEN THE RIVER IS OBSTRUCTED BY ICE.

SCALE OF DISTANCES.	MILES.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.
	U. S. Survey.	70 to 200 (under 70 to be charged 70)	200 to 500	500 to 800	800 to 1100	1100 to 1300	1300 and upward
PHILADELPHIA TO OR FROM		Cents per ton.	Cents per ton.	Cents per ton.	Cents per ton.	Cents per ton.	Cents per ton.
Chester.....	16½	18	16	14	13	12	11
Marcus Hook.....	20	19	17	16	14	13	12
Grubb's Landing.....	24	20	18	17	15	14	13
Wilmington Creek.....	28½	22	21	19	17	15	14
New-Castle.....	33½	23	22	21	19	17	15
Delaware City.....	40	27	25	22	21	20	19
Reedy Island Light-house.....	46	29	27	25	22	21	20
Morris Liston's (half way).....	52	31	28	26	24	22	21
Duck Creek Light-house.....	56½	32	30	28	25	23	22
Bombay Hook Point.....	61	34	32	29	27	25	23
Buoy of Middle.....	71	39	35	33	30	28	26
Ledge Light-boat.....	77	41	38	35	32	30	28
Buoy on the 14 feet Bank.....	84	44	40	37	34	31	30
Brandywine Light-boat.....	90	47	42	40	36	33	31
Buoy on the Brown.....	94	48	44	42	37	34	33
Breakwater.....	103	52	48	44	40	37	35
Light Boat on the 5 fathom Bank.....	128	..	..	..	..	..	..

RATES OF TOWAGE WHEN THE RIVER IS FREE FROM ICE.

PHILADELPHIA TO OR FROM	CHESTER, 16½ miles.	NEW-CASTLE, 33½ miles.	REEDY ISLAND, 46 miles.	BOMBAY HOOK, 61 miles.	LEDGE, 77 miles.	BRANDY-WINE, 90 miles.	BREAK-WATER, 103 miles.
VESSELS 70 to 150 TONS (under 70 to be charged 70),	11 cents per ton.	15 cents per ton.	18 cents per ton.	22 cents per ton.	27 cents per ton.	30 cents per ton.	33 cents per ton.
Over 150 and under 200 tons,	\$14.00	\$20.00	\$25.00	\$30.00	\$37.00	\$42.00	\$46.00
" 200 " 250 "	16.00	24.00	30.00	37.00	44.00	49.00	55.00
" 250 " 300 "	20.00	30.00	36.00	45.00	53.00	60.00	67.00
" 300 " 350 "	24.00	35.00	43.00	54.00	63.00	71.00	80.00
" 350 " 400 "	28.00	41.00	50.00	62.00	73.00	82.00	92.00
" 400 " 450 "	32.00	46.00	56.00	70.00	82.00	93.00	104.00
" 450 " 500 "	35.00	52.00	63.00	78.00	92.00	104.00	116.00
" 500 " 550 "	36.00	53.00	64.00	82.00	95.00	106.00	120.00
" 550 " 600 "	40.00	58.00	70.00	86.00	104.00	116.00	132.00
" 600 " 650 "	43.00	63.00	76.00	93.00	113.00	126.00	143.00
" 650 " 700 "	46.00	68.00	82.00	100.00	122.00	136.00	154.00
" 700 " 750 "	50.00	73.00	88.00	108.00	131.00	143.00	166.00
" 750 " 800 "	53.00	77.00	93.00	114.00	136.00	154.00	171.00
" 800 " 850 "	56.00	79.00	98.00	121.00	144.00	163.00	182.00
" 850 " 900 "	58.00	84.00	103.00	128.00	153.00	172.00	192.00
" 900 " 950 "	59.00	88.00	109.00	135.00	161.00	182.00	202.00
" 950 " 1000 "	62.00	93.00	114.00	142.00	169.00	191.00	213.00
" 1000 " 1050 "	65.00	96.00	117.00	144.00	170.00	192.00	216.00
" 1050 " 1150 "	66.00	96.00	117.00	144.00	170.00	192.00	216.00
" 1150 " 1200 "	68.00	100.00	122.00	150.00	178.00	200.00	226.00
" 1200 " 1250 "	72.00	104.00	127.00	156.00	186.00	209.00	235.00
For every additional 50 tons,	3.00	4.00	5.00	6.00	7.00	8.00	9.00

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St. N. Y.

London Printed Rates.—Continued.

8	tons best calcined bones	= a keel, or 850 cubic feet.
20	" " oil-cake	" " " " "
17	" " salted hides	" " " " "
17	" " potatoes	" " " " "
4.444	" " wool	" " " " "
17	tuns oil or spirit	" " " " "

EXAMPLES.

1. What is the equivalent of flax per ton, when wheat is 4s. per quarter?

$$\begin{array}{r} 97 \text{ quarters} \\ 4s. \\ 97 \text{ quarters} = 10 \text{ tons) } 388 (38s. 9\frac{3}{4}d. \end{array}$$

2. Hemp at 42s. 6d. per ton : how much is that per load O timber?

$$\begin{array}{r} 10 \text{ tons} \\ 42s. 6d. \\ 10 \text{ tons} = 14\frac{23}{100} \text{ loads) } 425 (28s. 5\frac{11}{149}\frac{25}{23}d. \\ 3 \text{ " for } \square \text{ timber} \\ 10 \text{ " } = 17 \text{ loads) } 425 (25s. \end{array}$$

The St. Petersburg, Russia, stand deals or battens contains 165 cubic feet of 1980 running feet, and by multiplying the length with the breadth and thickness, and dividing with 12, you obtain the product. As

1980	running feet	1	× 12	are	1	stand	= 1980 feet,
so are	540	"	"	4 × 11	"	1	" " "
"	660	"	"	4 × 9	"	1	" " "
"	720	"	"	3 × 11	"	1	" " "
"	880	"	"	3 × 9	"	1	" " "
"	1131 $\frac{3}{4}$	"	"	3 × 7	"	1	" " "
"	1357 $\frac{5}{8}$	"	"	2 $\frac{1}{2}$ × 7	"	1	" " "
"	1440	"	"	1 $\frac{1}{2}$ × 11	"	1	" " "

The load contains 50 cubic feet, or 600 running feet ; and as, consequently,

100 feet	6	× 12	are	1	load	of 50 feet,
so are	120	" 5 × 12	"	1	"	" "
"	150	" 4 × 12	"	1	"	" "
"	200	" 3 × 12	"	1	"	" "
"	240	" 2 $\frac{1}{2}$ × 12	"	1	"	" "
"	300	" 2 × 12	"	1	"	" "
"	400	" 1 $\frac{1}{2}$ × 12	"	1	"	" "
"	600	" 1 × 12	"	1	"	" "

And other dimensions to be calculated in the same way. The above 880 feet 3 × 9 will, for instance, give 1980 feet, or 1 standard, and this again divided by 600 gives the number of loads contained in the stand, namely, 3 loads 15 feet.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufacturing, Bath, Me.

Sail Makers.—Continued.

Silloway J. E.	317 Commercial	Boston
Soule C. H.	73 Commercial	"
Trundy & Co.	59 Broad	"
YALE R. M.	(see page 110) Commercial cor S. Market	"
Beard E. D.		Dighton, Mass
Ripley Benjamin		Edgartown, "
Zuill William V.		Fall River, "
Allen Daniel & Son		Gloucester, "
Brown & Murray		" "
Chard Thomas		" "
Dennis & Colby		Gloucester, "
Fears Robert R. & Bro		" "
Parsons William & Co.		East-Gloucester, "
Prindall Charles		Gloucester, "
Rowe Edward L.		" "
Smith George W.		" "
Steele Isaac A. S.		" "
Kelley N. D. & Co.		West-Harwich, "
Small Abner L.		Harwich Port, "
Kelley Shubael B.		" "
Foster John C.		Lynn, "
Hudson W. B.		Mattapoisett, "
Schiefflin Theodore		Nantucket, "
Almy Job		New-Bedford, "
Chapman John H.		" "
Chapman & Shurtleff		" "
Hart Simpson		" "
Hitch J. C.		" "
Currier Charles O.		Newburyport, "
Davis William A.		" "
Goodwin E. P.		" "
Drew David		Plymouth, "
Morton George W.		Chiltonville, "
Richmond John A.		" "
Atkins Paul		Provincetown, "
Bangs Solomon		" "
Cook Lemuel		" "
Dyer Charles H.		" "
Hannun Charles A.		" "
Lewis George H. & Co.		" "
Paine F. A. & Co.		" "
Pettes George W.		" "
Parsons John B.		Rockport, "
Lane Edward B.		Salem, "
Liebsch Antoine		" "
Whipple John H.		" "
Baker B. H.		Taunton, "

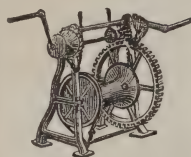
D. C. Snull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

JOSEPH WHITECAR,
Ship and Machine Smith,
MACHINIST AND GENERAL ENGINEER,

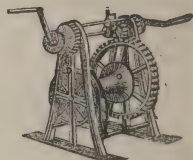
Nos. 402—406 Penn Street, below Pine,
PHILADELPHIA, PA.

MANUFACTURER OF



OYSTER DREDGES,

Cargo Winches,



*Winders, Hoisting Machinery, Trucks, Baggage-Barrows, Skids,
etc. Also on hand, Sugar Screws, Sugar Hooks, Barrel Hooks,
Box Hooks, Cant Hooks, Chain Hooks, Timber Hooks, etc.*

ALL PARTS OF

WINDERS AND WINCHES,

Cog-Wheels, Clutches, Barrels,

WINDLASS GEARING,

GUDGEONS, ETC.

Chocks of all sizes and kinds,
CHAIN BOX ROLLERS,

**Belaying Pins, Malls, Anchor Trippers, or Stoppers, Marline-Spikes,
Anchors and Chains, etc., etc.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Sail Makers—Continued..

Lane William.....	South-Wellfleet, Mass
Alger J. & Bro.....	Bristol, R. I
Hogan & Scott.....	Newport, "
Townsend Edmund J.....	" "
Dix Payne & C. 3 Dorrance.....	Providence, "
Dow Frank G. 131 S. Water.....	" "
DOW GEORGE S. (see page 132) 112 S. Water....	" "
Fails & Borden, 247 India.....	" "
Matthews H. V. 159 Westminster.....	" "
Pease Leander.....	" "
Lawton William J.....	Warwick, "
Whipple Raymond R.....	" "
Josephs John.....	Bridgeport, Ct
Ring John.....	Hartford, "
Butler Benjamin.....	Middletown, "
Van Name & King.....	New-Haven, "
Keeney Nelson.....	New-London, "
Crandall H.....	Stonington, "
Arents Stephen D. 107 South.....	New-York
Armitage Thomas R. 115 South.....	"
Baker George O. 169 South.....	"
Barnes Chauncey, 30 South.....	"
Bennett Benjamin, 304 West.....	"
Blair William, 102 Barelay.....	"
Brush Andrew I. 363 Rivington.....	"
Burrill Alonzo P. 85 South.....	"
Burrows Lemuel, 52 South.....	"
Chase & Seabury, 23 South.....	"
Connor Monroe F. 38 South.....	"
Crolius William A. & Son, 140 Broad.....	"
Crystal John & Co. 43 South.....	"
Cumisky Daniel M. 39 South.....	"
Curtin John, 308 West.....	"
English Michael, 120 Wall.....	"
Gerry Thomas A. & Co. 53 South.....	"
Goodwin Edward, 399 West.....	"
Gorham James, 182 South.....	"
Haskins John B. 290 Front.....	"
Hayden Henry I. 106 South.....	"
Hemmenway Stephen, ft Wall.....	"
Higgins Joseph D. 192 West.....	"
Hohorst Frederick, 58 West.....	"
Holly David N. 37 South.....	"
Honor Andrew, 49 ¹ / ₂ South.....	"
Hyer William D. S. 204 West.....	"
Johnson Charles, 2 Coenties slip.....	"
Johnson & Leahy, 118 West.....	"

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Port Charges, China.—Continued.

Commission on freight, 5 per cent.

Port dues had been paid at Shanghai.

The rates of sea pilotage are, in or out, \$3 per foot under 15 feet ; over that, \$4 per foot. River pilotage up or down, \$1.50 per foot.

NING-PO : European pilots can be obtained at Chin-hai. The rates of pilotage are \$3 per foot from and to Square Island, and \$10 per foot from and to Chusan Island.

SHANGHAI : Expenses on a vessel of 1199 tons register, cargo in and ballast out:

Discharging coal, and ballasting with 398 tons shingle and 100 tons mud...	\$597 00
Consul's fees.....	4 50
	Taels.
Medical attendance.....	13 00
Telegram to England.....	12 50
Pilotage in, and one removal.....	217 00
Supplies and stores while in port.....	105 02
Towage, in and out, and from and to moorings.....	330 00
Port dues for six months.....	534 27
Petty expenses, postage, etc.....	\$27 00

The dollar was equal to 76 cents of a tael of 100 cents ; the tael was equal to 6s. $\frac{2}{3}$ d.

Commission on sale of coal, 1 per cent, and the duty on the coal equal to 1 per cent more on the value of the coal. The above, including commission on coal, is equal to £516, about \$2497.44.

HANKOW : The only vessels frequenting this port are the direct tea ships ; they bring their pilots from Shanghai, and are towed by steam-tugs up and down at 4 taels (\$5.92) per ton.

Port Charges, Japan.

YOKOHAMA, and port cargo out to Hiogo :

Entrance fees.....	\$15 00
Survey hatches and cargo.....	16 00
Inward pilotage, 16 feet, at \$3.....	48 00
Outward " 13 " " \$3.....	39 00
Clearance fee.....	7 00
Butcher's account.....	97 57
Coolie hire, and fresh water.....	26 88
Boats, towing out.....	3 00
Advertising, postages, etc.....	31 00
Fish, potatoes, eggs, etc.....	17 08
Commission for doing ship's business.....	200 00

\$500 53

No tonnage shall be levied on British ships in the ports of Japan, but the following fees shall be paid to the Japanese Custom House authorities : For the entry of a ship, \$15 ; for the clearance of a ship, \$7 ; for each bill of health, \$1.50 ; for any other document, \$1.50.

YOKOHAMA : Commissions on shipping :

For collecting inward freight, $2\frac{1}{2}$ per cent.

General inward business, 500 tons, minimum commission, \$200.

Ship's disbursements, with cash in hand, $2\frac{1}{2}$ per cent.

" " without cash, 5 per cent.

Obtaining freight charter, 5 per cent.

Collecting charter money, 1 per cent.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Sail Makers.—Continued.

Jolly William F. 120 Wall.....	New-York
Keirnan James, 44 East.....	"
Kirk Edwin R. 195 West.....	"
Lapointe Francis, 20 Coenties slip.....	"
Martin John L. 157 South.....	"
Moore Benjamin, 27 South.....	"
Nugent Peter, 67 South.....	"
Radcliffe & Squires, 53 Harrison.....	"
Randolph & Co. 400 West.....	"
Sawyer John M. 114 Wall.....	"
Shay John, 177 South.....	"
Sparks Henry, 173 South.....	"
Stafford James, 27 Coenties slip.....	"
Stewart Peter, 144 West.....	"
Thorp Samuel S. & Co. 135 Roosevelt.....	"
Town Benjamin F. 89 West.....	"
Trundy & Baxter, 28 South.....	"
Wilder Theodore S. 32 South.....	"
Wilson N. F.'s Son, 176 South.....	"
WILSON & GRIFFIN, 154 South.....	"
Dryburgh David & Co. 506 S. Delaware ave.....	Philadelphia
Egan John, 406 N. 10th.....	"
ETHERIDGE B. E. (see page 294) 250 N. Delaware ave.....	"
Femerick Lewis W. 4 Lombard.....	"
HESS LEWIS & SON (see p. 284), 308 S. Del. ave....	"
LAWRENCE CHARLES (see p. 284), 16 N. Del. ave....	"
MAIR & CRANMER (see page 284), 136 S. Delaware ave	"
McGinnis & Fitzgerald, 300 N. Delaware ave.....	"
Parker & Hassett, 239 N. Water.....	"
POST BROS. (see page 294) 426 S. Delaware ave.....	"
STEVENS & MILLER (see page 284), 122 & 124 S. Delaware ave.....	"
Taulane George, 302 S. Delaware ave.....	"
Vanderherchen Francis, 248 N. Delaware ave.....	"
Wilder & Co. 514 S. Delaware ave.....	"
BIRNIE R. W. 11 E. Water.....	Wilmington, Del
Adams John H. & Co. Block s. e. cor West Falls ave	Baltimore
BOWEN RICHARD S. & CO. Light sw cor Camden.....	"
Brown & Murphy, 73 Smith's whf.....	"
Clark Thomas S. & Son, 90 Dugan's whf.....	"
Cromwell John E. 95 Thames.....	"
Farland John F. 85 Smith's whf.....	"
Farland William, 85 Smith's whf.....	"
GRAY J. JOSEPH & CO. (see page 344) 111 & 113 Thames	"
Hambleton Thomas B. 4 Bowly's whf.....	"
Hooper Charles V. 59 Boston.....	"
HUBBARD GEORGE W. & CO. (see page 344) 71 Smith's whf.....	"

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

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On Vessels, Cargo, and Freight, to all parts of the World.

INLAND INSURANCES

On Goods by River, Canal, and Land Carriage to all parts of the Union.

FIRE INSURANCES

On Merchandise generally; on Stores, Dwellings, Houses, etc., etc.

ASSETS OF THE COMPANY NOVEMBER 1, 1874.

\$150,000 United States six per cent loan, 1897.....	\$176,812 50
184,000 State of Pennsylvania six per cent loans.....	202,915 00
325,000 City of Philadelphia six per cent loans (exempt from tax).....	339,250 00
250,000 State of New-Jersey six per cent loans.....	265,000 00
75,000 City of Pittsburg seven per cent loans.....	75,000 00
50,000 City of Boston six per cent loans.....	50,000 00
20,000 Pennsylvania Railroad first mortgage six per cent bonds.....	20,600 00
25,000 Pennsylvania Railroad second mortgage six per cent bonds.....	24,843 75
25,000 Western Pennsylvania Railroad mortgage six per cent bonds (Pennsylvania Railroad guarantee).....	20,000 00
44,000 State of Tennessee six per cent loan.....	23,870 00
19,000 Pennsylvania Railroad Company, 380 shares stock.....	20,805 00
6,050 North Pennsylvania Railroad Company, 121 shares stock.....	6,050 00
10,000 Philadelphia and Southern Mail Steamship Company, 80 shares stock.....	2,560 00
40,000 American Steamship Company six per cent bonds.....	30,000 00
256,950 Loans on bond and mortgage, first liens on city properties.....	256,950 00
\$1,481,000 Par.....	Market Value, \$1,514,656 25
Real Estate at Philadelphia and Pittsburg.....	120,000 00
Bills receivable for Insurances made.....	208,141 19
Balances due at Agencies, Premiums on Marine Policies, accrued Interest and other debts due the Company.....	81,014 10
Stock and Scrip, etc., of sundry corporations, \$8863; estimated value.....	8,049 75
Cash, in banks, \$128,605 41; in drawer, \$483 62.....	129,069 03
	\$2,060,953 38

DIRECTORS.

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JAMES TRAQUAIR,
HENRY P. SLOAN,
J. H. CATHERWOOD,
N. PARKER SHORTBRIDGE,
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HUGH CRAIG,
JOHN D. TAYLOR,
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WM. C. HOUSTON,
H. FRANK ROBINSON,
SAMUEL E. STOKES,
WM. G. BOULTON,
EDW. DARLINGTON,
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HENRY BALL, *Assistant Secretary.*

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Steamship Companies of Philadelphia.

AMERICAN STEAMSHIP CO. OF PHILADELPHIA, 233 S. 4th, Peter Wright & Sons gen. agts, 307 Walnut
 Anchor Line, 1019 Walnut
 BALTIMORE & PHILADELPHIA STEAMBOAT CO. 34 S. Delaware ave
 Baltimore & Philadelphia Steamship Line, pier 7 N. Delaware ave
 BOSTON & PROVIDENCE STEAMSHIP LINE, 12 S. Delaware ave
 Boston Steamship Co. pier 20 S. Delaware ave
 Bush's Daily Steam Freight Line between Philadelphia and Wilmington, Del. pier 3 S. Delaware ave
 Chester Steam Packet Lamokin Line, pier 6 N. Delaware ave
 Cunard Mail Steamship Co. 339 Chestnut
 EXPRESS LINE TO WASHINGTON & ALEXANDRIA, 12 S. Delaware ave
 EXPRESS STEAMBOAT CO. BETWEEN PHILADELPHIA & NEW-YORK, 12 S. Delaware ave
 Hartford, New-York & Philadelphia Transportation Co. pier 4 S. Delaware ave
 INTERNATIONAL NAVIGATION CO. (Red Star Line) Peter Wright & Sons gen. agts, 307 Walnut
 Liverpool & Great Western Steam Co. 1019 Walnut
 Liverpool, New-York & Philadelphia (Inman Line), 402 Chestnut
 LORILLARD STEAMSHIP CO. John F. Ohl agt, pier 19 N. Delaware ave
 Merchants' Transportation Line, pier 9 N. Delaware ave
 National Steamship Co. 204 Walnut
 Philadelphia, Albany & Troy Steam Freight Line, pier 22 S. Del. ave
 Philadelphia & Boston Steamship Line, 338 S. Delaware ave
 PHILADELPHIA & CHARLESTON STEAMSHIP CO. 12 S. Delaware ave and pier 4 N. Delaware ave
 PHILADELPHIA & NEW-YORK EXPRESS STEAMBOAT CO. 12 S. Delaware ave
 Philadelphia & Providence Steamship Line, pier 3 N. Delaware ave
 PHILADELPHIA & SOUTHERN MAIL, 237 & 239 Dock and Queet st whf
 Philadelphia, Bridgeport & Chester Steamboat Co. 104 N. Delaware ave
 PHILADELPHIA, RICHMOND & NORFOLK STEAMSHIP LINE, 12 S. Delaware ave and pier 1 N. Delaware ave
 RED STAR LINE, 307 Walnut
 Swiftsure Transportation Co. 132 S. Delaware ave
 THE AMERICAN STEAMSHIP CO. 237 & 239 Dock and Christian st whf
 WARNER'S PHILADELPHIA & WILMINGTON PROPELLER LINE, pier 6 S. Delaware ave
 Wilmington Steamboat Line, pier 5 S. Delaware ave
 Winsor's Providence Steamship Line, pier 23 S. Delaware ave

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**OLD AND RELIABLE, THE BEST ARTICLE KNOWN FOR THE PRE-
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Messrs. JOHN LUCAS & Co., Philadelphia:

The Verdigris purchased of you some time ago, I used on my vessel at the expiration of the season. I find, on examination, no signs of worm-eating, and the bottom is as clear and clean of barnacles as the day she was put into the water.

I cheerfully recommend your article to shipowners, builders, etc.

October 16, 1874.

Yours,

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esper & Co., Ship Brokers, Baltimore, Md.

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 ing. Manufactory, Bath, Me.**

Sail Makers.—Continued.

LAMDIN & WADDY (see page 344), Frederick cor Pratt.	Baltimore
McGee Robert, Covington cor Hughes.	"
Milbourne & McGee, 4 and 98 Light st whf.	"
Miskimmon S. 104 Dugan's whf.	"
MITCHELL JOHN R. (see advt.) 81 Smith's whf.	"
Mitchell Zacharias, 92 Light st whf.	"
TRAVERS & MEEKINS (see page 344), 2 Spear's whf.	"
Trego George W. 77 Smith's whf.	"
Wake John C. 103 McEldery's whf.	"
Wheeden & Betts, Commercial whf.	"
EDWARDS & KING (see page 364), 1 & 2 Campbell's whf.	Norfolk
Oliver W. H. & Co. 18 Roanoke sq.	"
O'Neill & Turner, McPhail's warehouse.	Town Point, "
Mahoney W. A. Water cor Queen.	Portsmouth, Va
JORDAN EDWARD & SON (see page 290), Accommoda- tion whf cor E. Bay.	Charleston
MILLER WILLIAM T. (see page 394) Kerr's whf cor Cordes	"

*** Sail Needles.**

BRINCKERHOFF, TURNER & CO. (see page 166) 109 Duane.	New-York
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*** Sail Twine.**

THE WESTBROOK MNFG. CO. (see page 30) 10 Cen- tral whf.	Portland, Me
BRINCKERHOFF, TURNER & CO. (see page 166) 109 Duane.	New-York

*** Seamen's Outfits and Supplies.**

BRENNER M. (see page 248) Frederick ne cor Pratt.	Baltimore
STRAUS & ANDERSON (see page 396), 105 E. Bay.	Charleston

*** Segars and Tobacco.**

LOTZ J. FRED (see page 356), Lombard se cor Hanover.	Baltimore
SAYAS JOHN (see page 396), 80 Market.	Charleston

*** Sewing Machines.**

WHEELER & WILSON Machine, J. W. Beasley agt, Church cor Main (see advt.)	Norfolk
---	---------

*** Shafting, Pulleys and Hangers.**

RAWSON & HITTINGER (see page opp In- dex), 72 Main.	Cambridgeport, Mass
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New-Bedford Caboooses and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

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Port Charges, Japan.—Continued.

Port Rules:

1. Ballast is not allowed to be thrown overboard.
2. Vessels must hoist their national flags on entering.
3. Fire-arms must not be discharged in harbor.

Expenses of a vessel of 507 tons register, from Shanghai, with cargo:

Entrance fee at Custom House.....	\$15 00
Consul's fees.....	2 40
Clearance fee at Custom House.....	7 00
Advertising.....	6 00
Dispensary.....	3 75
Ballast.....	75 00
Commission on disbursements, \$642.98, at 2½ per cent.....	16 07
“ estimated freight to San Francisco, \$169, at 5 per cent.....	8 45
	<hr/> \$133 67

Pilotage, in or out, \$3 per foot.

Ballast, 90 cts. per ton.

NAGASAKI: Charges on a vessel of 500 tons carrying capacity:

Port charges:

Entering fee at Custom House.....	\$15 00
Clearance fee at “.....	7 00
Consular fee.....	2 00
	<hr/> \$24 00

Disbursements:

Pilotage inward, \$3 per foot.....	\$40 00
“ outward, \$1.50 per foot.....	20 00
Coolie hire, discharging inward freight.....	25 00
Stevedore, stowing outward cargo, 25 cts. per ton.....	125 00
Compradore's bill, two months, say.....	750 00
Sampan hire, etc.....	16 00
Commissions:	
On collecting inward freight, say \$2000, at 1 per cent.....	20 00
On disbursements, \$1000, at 2½ per cent.....	25 00
On outward freight, 500 tons, at £4 = £2000, at 4s. 6d. = \$8888.88,	
at 5 per cent.....	444 44
	<hr/> \$1465 44
	<hr/> \$1489 44

Creditor:

Inward freight collected.....	2000 00
	<hr/>
Balance due to the ship.....	\$510 56

HAKODADI: Pilotage inward, £5 per vessel, without distinction as to size.

HIOGO AND OOSAKA: Charges and dues on a vessel of 499 tons register, with general cargo in, from Liverpool to Yokohama, and part cargo out to Hiogo:

Entrance fees.....	\$15 00
Survey, hatches and cargo.....	16 00
Inward pilotage, 16 feet at \$3.....	48 00
Outward “ 13 “ “ \$3.....	39 00
Clearance fees.....	7 00
Butcher's account.....	97 57
Coolie hire and fresh water.....	26 88
Boats, towing out.....	3 00
Advertising, postages, etc.....	31 00
Fish, potatoes, eggs, etc.....	17 08
Commission for doing ship's business.....	200 00
	<hr/> \$500 53

Sheathing.

(Brass, Copper, Yellow Metal, etc.)

REVERE COPPER CO. J. S. Winslow & Co. agts (see page 214), 3 & 4 Central whf.....	Portland, Me
RYAN & KELSEY (see page 26), 161 Commercial.....	" "
BRIDGEWATER IRON CO. Stetson & Pratt agts (see page 74), 28 Broad.....	Boston
CROCKER BROS. & CO. (see page 62) 11 Broad.....	"
Foster & Roby, 178 & 180 Commercial.....	"
Fuller, Dana & Fitz, 110 North.....	"
REVERE COPPER CO. (see page 214) 47 Kilby.....	"
TAUNTON COPPER CO. Crocker Bros. & Co. agts, 11 Broad.....	"
WILLETT, HAMLEN & CO. 30 Central.....	"
CROCKER BROS. & CO. 5 City sq.....	Taunton, Mass
ANSONIA BRASS AND COPPER CO. 19 & 21 Cliff..	New-York
BARSTOW E. W. & SON (see page 148), 83 Maiden lane.	"
BRIDGEWATER IRON CO. George B. Stetson agt (see page 74), 73 Pearl.....	"
CROCKER BROS. & CO. (see page 62) 232 South.....	"
PHELPS, DODGE & CO. (see front cover) Cliff.....	"
REVERE COPPER CO. (see page 214) 242 South.....	"

Sheathing, Felt.

CROCKER BROS. & CO. (see page 62) 11 Broad.....	Boston
LOWELL FELTING MILLS (see page 80), 55 Congress.....	"
REVERE COPPER CO. (see page 214) 47 Kilby.....	"
BARSTOW E. W. & SON (see page 148), 83 Maiden lane.	New-York
CROCKER BROS. & CO. (see page 62) 232 South.....	"
REVERE COPPER CO. (see page 214) 242 South.....	"

* Sheetings.

THE WESTBROOK MNFG. CO. (see page 30) 10 Central whf.....	Portland, Me
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Ship Agents.

WELOCK & HODNETT, 223 Commercial.....	Boston
McGUIRE THOMAS (see page 302), 426 S. Front....	Philadelphia
WESTERGAARD L. & CO. (see page 288) 138 S. 2d.	"
Gemmel Thomas, 56 Exchange Place.....	Baltimore
JENNINGS D. & SON (see page 388).....	Charleston

* Shipping Blanks.

GAY AARON R. & CO. (see front fly-leaves) 130 State...	Boston
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 Austria, Lars Westergaard, 127 Walnut
 Belgium, G. E. Saurman, 1104 Chestnut
 Brazil, Edward S. Sayres, 268 S. 3d
 Buenos Ayres, E. Shippen, S. 6th cor Walnut
 Chili, E. Shippen, 532 Walnut
 Colombia, United States of, Leon de la Cova, 218½ Walnut
 Denmark, Edward S. Sayres, 268 S. 3d
 Ecuador, E. Shippen, 532 Walnut
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 Hungary, Lars Westergaard, 127 Walnut
 Italy, Alonzo M. Viti, 115 Walnut
 Netherlands, Lars Westergaard, 127 Walnut
 Nicaragua, Henry C. Dallet, 129 S. Front
 Peru, Samuel J. Christian, 141 N. Water
 Portugal, Edward S. Sayres, 268 S. 3d
 Russia, Henry Preaut, Vice-Consul, 500 S. Delaware ave
 Spain, Don Ricardo Alfredo Palomino y Carcano, Consul; Don Julian Alfredo Principe y Satorres, Vice-Consul, 524 Walnut
 Sweden and Norway, Edward S. Sayres, 268 S. 3d
 Switzerland, Rudolph Koradi, 314 York ave; Philip J. Wildberger, Vice-Consul, 814 Vine
 Turkey, Charles Meigs Hogan, 114 S. 6th
 Venezuela, Leon de la Cova, 218½ Walnut

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Master Warden—James G. McQuaide.

Harbor Master—Alex. P. Colesberry.

Secretary of Board—George B. Miller.

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NOTE.—UPON ALL ROADS NOT MENTIONED BELOW, THE SUPERINTENDENT IS PURCHASING AGENT.

Name of Road.	Purchasing Agent.	Residence.	Name of Road.	Purchasing Agent.	Residence.
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Atlantic & Great Western	R. B. Browne	Meadville, Pa.	Great Western (Canada)	Robert Beatty	Hamilton, Can.
Atlantic & Pacific	W. H. Patriarche	St. Louis, Mo.	Hannibal & St. Joseph	A. W. Lamb	Hannibal, Mo.
Baltimore & Ohio	Benjamin Williams	Baltimore, Md.	Honolulu	David S. Draper	Bridgeport, Ct.
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Burlington, Cedar Rapids & Minn.	S. L. Dows	Cedar Rapids, Iowa.	Huntingdon & Broad Top	B. A. Knight	Huntingdon, Pa.
Cairo & St. Louis	C. Rittena	St. Louis, Mo.	Illinois Central	O. Ott	Chicago, Ill.
Central Pacific	R. Watson	Sacramento, Cal.	Illinois Midland	P. Campbell	Paris, Ill.
Central R. R. of Georgia	H. Yonge	Savannah, Ga.	Indianapolis, Cin. & Lafayette	E. V. Cherry	Cincinnati, Ohio.
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Chesapeake & Ohio	A. C. Netherland	Richmond, Va.	Indianapolis & St. Louis	J. W. Morse	St. Louis, Mo.
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Chicago & Lake Huron	A. V. Hartwell	Chicago, Ill.	Jeffersonville, Mad. & Ind.	William Mullins	Louisville, Ky.
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Chicago & North-western	Wm. R. Morrison	St. Joseph, Mich.	Kentucky Central	G. E. Powell	Covington, Ky.
Chicago, Burlington & Quincy	R. W. Haas	Chicago, Ill.	Knox & Lake & Moines	Oliver Moses	Keokuk, Iowa.
Chicago, Danville & Vincennes	H. J. Higgins	Chicago, Ill.	Lake Shore & Mich. Southern	A. C. Armstrong	Bath, Me.
Chicago, Dubuque & Minn.	F. B. Mansfield	Dubuque, Iowa.	Lake St. & Vincennes Valley	W. L. Holden	Cleveland, Ohio.
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Chicago, Rock Island & Pacific	J. J. Stodum	Dubuque, Iowa.	Lehigh Valley	Li Chamberlain	Philadelphia, Pa.
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Cincinnati & Musk Valley	E. H. Waldron	Lafayette, Ind.	Macdonald & Brunswick	Geo. C. Butts	Macdon, Ga.
Cleveland & Pittsburg	William Mullins	Pittsburg, Pa.	Marquette, Hought. & Cleveland	S. Babcock	Marquette, Mich.
Connecticut River	T. Mulligan	Springfield, Mass.	Memphis & Little Rock	J. D. Darden	Memphis, Tenn.
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Detroit & Bay City	W. S. Watson	26 Exchange pl., N. Y.	Mississippi Central	G. H. Edgar	New Orleans, La.
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Genesee, Utica & Athens	Geo. McCham	Utica, N. Y.	New-York & Harlem	S. H. Edgar	New-Orleans, La.
Georgia	John Vaughn	Pittsburg, Ga.	New-York, Cent-Hav. & Harf.	R. N. Dowd	New-York City.
Grand Rapids & Indiana	William Mullins	Pittsburg, Pa.	New-York, New-Hav. & Hudson Riv.	C. V. McForest	New-Haven, Ct.
Grand Trunk	John Taylor	Montreal, Can.	New-York & Oswego Midland	T. C. Purdy	New-York.

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

OFFICIAL LIST OF RAILROAD PURCHASING AGENTS.—(Continued.)

Name of Road.	Purchasing Agent.	Residence.	Name of Road.	Purchasing Agent.	Residence.
Northern (Canada).....	C. W. Postlethwaite.....	Toronto, Ontario.	St. Louis & Iron Mountain.....	W. S. Cuddy.....	St. Louis, Mo.
North Pennsylvania.....	F. A. Conly.....	Philadelphia, Pa.	St. Louis & South-eastern.....	Chas. O. Wood.....	St. Louis, Mo.
Oregon & California.....	G. W. Weider.....	Portland, Oregon.	St. Louis, Hannibal & Kookuk.....	Geo. Douglas.....	Cedar Rapids, Iowa.
Pennsylvania.....	Enoch Lewis.....	Philadelphia, Pa.	St. Louis, Kan. City & North.....	R. W. Green.....	St. Louis, Mo.
Petersburg.....	W. P. Taylor.....	Petersburg, Va.	St. Louis, Vand. T. H. & Ind.....	C. R. Peddie.....	Terre Haute, Ind.
Peoria & Rock Island.....	W. R. Hamilton.....	Peoria, Ill.	Seaboard & Roanoke.....	J. A. Walton.....	Baltimore, Md.
Philadelphia & Reading.....	W. S. Wilson.....	Philadelphia, Pa.	South Carolina.....	S. B. Pickens.....	Charleston, S. C.
Philadelphia & Erie.....	Enoch Lewis.....	Erie, Pa.	Shesboyan & Fond du Lac.....	L. A. Emerson.....	Fond du Lac, Wis.
Pittsburgh & Erie.....	William Mullins.....	Pittsburg, Pa.	Texas and Pacific.....	Wm. Mail.....	Marshall, Texas.
Pittsburgh, Cin cin. & St. Louis.....	John E. Donnell.....	Pittsburg, Me.	Toledo, Wabash & Western.....	James T. Sterling.....	Toledo, Ohio.
Portland, Ft. Wayne & Chic.....	T. L. Cable.....	Portland, Me.	Toronto, Grey & Bruce.....	W. Watson.....	Toronto, Can.
Poughkeepsie & Eastern.....	A. W. Gude.....	Poughkeepsie, N. Y.	Tuckerton.....	J. C. Ridgway.....	Tuckerton, N. J.
Richmond, Fred. & Potomac.....	T. L. Courtney.....	Richmond, Va.	Utah Central & Southern.....	S. H. Hill.....	Salt Lake City, Utah.
San Francisco & North Pacific.....	F. H. Gude.....	San Francisco, Cal.	Vicksburg & Brunswick.....	H. Young.....	Mobile, Ala.
St. Paul & Pacific.....	E. C. Becker.....	St. Paul, Minn.	Westchester & Philadelphia.....	J. J. Bryant.....	Philadelphia, Pa.

PURCHASING AGENTS—STEAMERS.

NEW-YORK.

Barling & Davis (New-Bedford S. S. Line), 46 South
 Bullay H. J. supt (Pacific Mail S. S. Line), Pier 42, N. R
 Dale John G. (Inman Line) 15 Broadway

Franklyn Charles G. (Cunard Line) 4 Bowling Green
 Mackenzie George (Trans-Atlantic Mail S. S. Co.), 53 Broadway
 Mallory C. H. & Co. (Texas Line, Galveston Str.) 153 Maiden lane
 Smith A. C. (Anchor Line) 7 Bowling Green
 Williams & Guion (Liverpool & Great Western S. S. Co.), 63 Wall

PHILADELPHIA.

Baird Wm. M. (Wm. M. Baird & Co.) 132 S. Delaware ave—
 Boswell A. J. (Philadelphia & Southern Mail S. S. Co.) 237 Dock
 Winslow Henry & Co. (Boston S. S. Co.) 838 S. Delaware ave
 Van Kirke J. E. (Philadelphia, Richmond & Norfolk S. S. Line) 12 South whvs

BOSTON.

Coyle J. B. jr. (Mail Line to Halifax) ft India whf
 Kilby W. H. agt (International S. S. Co.), end Commercial whf
 Nickerson F. & Co. (Weekly Line for Halifax) 82 Washington
 Sampson E. agt (Norfolk, Baltimore & Washington S. S. Line), 53 Central whf

NOTICE.—GENERAL AGENTS OF OTHER LINES OF STEAMERS ATTEND TO BUYING.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Ship Builders—Wood and Iron.

Knowles L. A.....	Addison, Me
Nash J. C. & Co.....	" "
Crosby Bros.....	Bangor, "
Adams & Hitchcock.....	Bath, "
Blaisdell D. O.....	" "
Brown & Hodgkins.....	" "
Chapman & Flint.....	" "
Donnell & Deering.....	" "
Dyer & Williams.....	" "
Goss & Sawyer.....	" "
Hagan & Thurlow.....	" "
Harrington Charles B.....	" "
Hathorn Albert.....	" "
Holley George.....	" "
Houghton Bros.....	" "
Jewell Bros.....	" "
Moses William V. & Sons.....	" "
Palmer & Hawley.....	" "
Patten John & Son.....	" "
Robbison Alexander.....	" "
Roggers William.....	" "
Sewell E. & A.....	" "
Carter C. P. & Co.....	Belfast, "
Cottrell George W.....	" "
McGilvery Henry.....	" "
Gamage A. & W.....	Bristol, "
Kelsea Samuel.....	" "
Blodget Seth E.....	Brooksville, "
Dodge R.....	" "
Given Joseph C.....	Brunswick, "
Given Robert.....	" "
Pennell Bros.....	" "
Beazely William & Co.....	Bucksport, "
Buck Joseph L.....	" "
Geem William H. & Co.....	" "
Swazey S. B. & Co.....	" "
Boardman Bros.....	Calais, "
Downing D.....	" "
Hinds Owen P.....	" "
Hinds William.....	" "
Nickerson & Rideout.....	" "
Rideout & Lord.....	" "
Robinson William & J.....	" "
Short John & Charles.....	" "
Dyer Nathan R.....	Cape Elizabeth, "
Randall J. F. & Co.....	" "

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.


W. FLEET STEELE,



SHIP PLUMBER,

No. 3 South Street,

PHILADELPHIA.

 All orders intrusted to my care will receive prompt attention, and at reasonable rates.

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Bilge Bolts. Manufactory, Bath, Me.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Ship Builders.—Continued.

Perkins Joel.....	Castine, Me
Webster James A.....	" "
Campbell G. R. & Co.....	Cherryfield, "
Hinckley Nathan.....	" "
Carlton Isaac.....	Columbia Fall, "
Crandon John H.....	" "
Stevens M. B.....	Cutler, "
Wilder J.....	" "
Chase Bros.....	Damariscotta, "
Merry Charles G.....	" "
Metcalf Benjamin D.....	" "
Norris Eldridge.....	" "
Kelley Ralph.....	Portland, Deering, "
Lewis & Co.....	" "
Merrill Bros.....	" "
Winslow & Co.....	" "
Allen T. W. & Son.....	Dennysville, "
Salisbury John S.....	East-Eden, "
Huston Caleb S.....	Eastport, Mass
Burrall G. E. & Co.....	East-Machias, Me
Pope S. W. & Co.....	" "
Talbot P. S. J. & Co.....	" "
Talbot S. H.....	" "
Whittemore S. H.....	" "
Wiswell J. M. & Co.....	" "
Brewer Otis.....	Eden, "
Hodgkins E. James.....	" "
Richardson John.....	" "
Grant Isaac M.....	Ellsworth, "
Hall H. M. & B.....	" "
Lord Abraham.....	" "
Bradstreet Peter G. W.....	Farmingdale, "
Blaisdell J. M.....	Franklin, "
Card W. H.....	" "
West J. H.....	" "
Briggs & Cushing.....	Freeport, "
Soule Enos C.....	" "
Thompson Nelson.....	Friendship, "
Tafton Bros.....	Georgetown, "
Stevens William.....	Gouldsboro, "
Bigney Benjamin S.....	Greenville, "
Patten John E.....	Hampden, "
Rice David.....	" "
Stubbs Ephraim.....	" "
Nash Alonzo.....	Harrington, "
Nash Moses.....	" "
Nash S. W. & A. M.....	" "

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Port Charges, Holland.—Continued from page 228.

	Fr.	cent.
Pilotage from sea, summer tariff.....	94	40
“ in and out of dock.....	12	88
“ to sea.....	57	60
“ to the English Channel (Dover) if required, £7.		
Clearance in and out to government (seals, 3d. each).....	5	00
Dock, harbor, and sluice dues, 17 cent. per ton.....	85	00
Light and beacon dues, from New-York.....	80	00
“ “ “ going to England.....	15	00
Town dues, consumption, provisions.....	5	00
Life-boat contribution, voluntary, 2 cent. per ton.....	10	00
Brokerage, 30 cent. per ton, clearing in and out.....	150	00
	514	88

(About \$208.12.)

Average expenses, about 50 cents per ton.

MIDDELBURG : Charges on a vessel of 115 tons register, cargo in and ballast out drawing, loaded, 11½ feet (36 palms).

	Fl.	Cents.
Provision tax.....	1	74
Dock dues.....	12	71
Pilotage from sea (winter rate).....	43	20
Canal pilotage.....	28	40
Four horses.....	8	00
Brokerage.....	23	00
Sea pilotage, out.....	18	00
Customs dues.....	20	50
	155	55

(About \$64.92.)

ZIEUKZEE : Expenses on a vessel of 226 tons register, drawing 15 feet :

	Fl.	Cents.
Inward pilotage.....	68	80
In winter, from 1st October till 1st April, 90 fl. 40 cents.		
Pilot fees.....	1	20
Tonnage and light dues.....	33	01½
Clearance in and out, and stamps.....	7	50
Clearance cocket.....	3	00
Reporting at the Custom House.....	6	00
Harbor dues, 243 Dutch register, per ton at 4 cents.....	9	72
Ballast, 70 tons, per ton at 65 cents.....	45	50
Pilotage to sea.....	12	80
In winter, 14 fl. 40 cents.		
	187	53½

(About \$78.56.)

MOERDYK : Charges on a vessel of 245 tons, cargo in and ballast out, drawing 12½ feet loaded, brokerage, pilotage in and out, clearance at Helvoetsluis, ballast, and customs dues, about \$91.96.

HELVOETSLUIS : Disbursements of a vessel of 356 tons register, from Odessa with cargo, leaving in ballast :

	Fl.	Cents.
Inward sea pilotage to Helvoetsluis.....	78	40
River pilotage from Helvoetsluis.....	27	30
Inward clearance dues.....	2	50
Canal dues at Helvoetsluis.....	42	93
Outward dues at H.....	10	89
Harbor pilots.....	6	50
Harbor dues.....	53	61
Life-boat dues.....	3	56

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Ship Builders.—Continued.

Rumball, Ramsdell & Coffin.....	Harrington, Me
Crandon & Crandon.....	Jonesboro, “
Sawyer D. J.....	Jonesport, “
Thompson Nathaniel L.....	Kennebunk, “
Thompson & Titcomb.....	“ “
Clark David.....	Kennebunkport, “
Crawford & Perkins.....	“ “
Oakes Bradford.....	“ “
Neal John.....	Kittery, “
McBride John.....	Lubec, “
Mugford Robert.....	“ “
Holway Ludwick.....	Machias, “
Holway William C.....	“ “
Machiasport Navigation Co.....	Machiasport, “
Mitchell William.....	“ “
Dyer Ezekiel.....	Millbridge, “
Sawyer Joseph W.....	“ “
Sawyer William R.....	“ “
Austin Addison.....	New-Castle, “
Borland Samuel.....	“ “
Flye Edwin.....	“ “
Hall Austin.....	“ “
Hall Elijah.....	“ “
Haggett Eben.....	“ “
Oliver Samuel.....	Nobleboro, “
Buck John A.....	Orland, “
Nickerson Samuel T.....	Orrington, “
Bowker Joseph & Son.....	Phippsburg, “
Bowker Timothy B.....	“ “
Minott Charles W.....	“ “
Hinds Eben.....	Pittston, “
Curtis Brothers.....	Portland, “
Dyer Joseph W.....	“ “
RANDALL J. F. & CO. (see advt.) 26 Commercial.....	“ “
Mudgett Willard.....	Prospect, “
Clark & Libby.....	Richmond, “
Hagar James M.....	“ “
Mansir Job.....	“ “
Southard T. J. & Son.....	“ “
Theobald & Howard.....	“ “
Bugbee William.....	Robbinston, “
Hunt Hiram.....	“ “
Ames & Rankin.....	Rockland, “
Snow, Farwell & Co.....	“ “
Starrett Sandford.....	“ “
Williams & Dean.....	“ “
Carleton Norwood & Co.....	Rockport, “

Ships' Hardware, Tinware, Ships' Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

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John C. Giffing, Ag't, 31 South St., N. Y.

**THOMAS M. HOLMES,
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Ship, Mast-Head Fresnel, Colored Signals, Port and Starboard, Engineers', Binnacle and Deck.

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Builders of

Iron Screw Steamers,
Iron Sailing Ships,
Iron River Steamers,
Iron Ferry Steamers,
Iron Tug-Boats,
Iron Steam Lighters,
Iron Barges and Canal Boats.

Fast Steam Yachts, Launches, and Torpedo Boats of Iron or Steel. Speeds, 21 to 25 miles per hour. Iron Masts, Tanks, etc.

ENGINES, BOILERS, REPAIRS.

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{ SAMUEL HOLMES,
JOHN SHAW,
HENRY BROWN.

Shaw's Engineering Department, Fairmount Engine Building,

913 and 915 Ridge Ave., above Ninth and Vine Sts.,

MANUFACTURER AND DESIGNER OF

SPECIAL TOOLS, MACHINERY AND ENGINEER'S APPLIANCES.

Hydraulic Machinery, Pressure Gauges, etc.

Laboratory, Machine Works and Residence, Shawmont Station, Norristown R. R. Send for circular for Boat Detaching Devices, Water Thrust, Propeller Pumps, Test Pumps, etc.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Ship Builders.—Continued.

Eels A. S. & Co.	Rockport, Me
Merriam A. & Sons	" "
Merrill William C.	Saco, "
Lame John H.	Searsport, "
McGilvery William	" "
Sargent W. G.	Sargentville, Sedgwick, "
Watson Joshua	" "
Beane & Long	St George, "
Bickmore J. & S. S.	" "
Hitchborn N. G.	Stocton, "
Mudgett Willard	" "
Staples H. S.	" "
Allen Charles	Surry, "
Curtiss Paul	" "
Burgess, O'Brien & Co.	Thomaston, "
Mills, Creighton & Co.	" "
O'Brien Edward	" "
Stetson, Gerry & Co.	" "
Walker, Dunn & Co.	" "
Watts Samuel & Co.	" "
Purinton Joseph	Topsham, "
Clark Henry H.	South-west Harbor, Tremont, "
Holden C. M. & Co.	" "
Newman Henry E.	South-west Harbor, "
Richardson A.	" "
Anchorn Edwin	Waldoboro, "
Caldwell G. W. & Co.	" "
Clark Joseph & Son	" "
Fish William	" "
Kennedy Henry & Co.	" "
Reed A. R. & Co.	" "
Reed, Welt & Co.	" "
Storer Alfred & Son	" "
Storer William F.	" "
Harding Seth	West-Eden, "
Higgins Atwater	" "
Mayo Jesse H.	" "
Frost Aaron	West-Pembroke, "
McVicar John	" "
Nutt Jethro B.	" "
Pierce A. T.	Westport, "
Carlton John W.	Winterport, "
Lufkin Porter	" "
Treat Simeon J.	" "
Hutchins & Stubbs	Yarmouth, "
Loring Giles & Co.	" "
Seabury Albert	" "

Baltimore Copper Paint is equal to any in use.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Holland.—Continued.

	Fl.	Cents.
Quay stages, bridge and boom dues, and spout hire.....	3	00
Protest and translation.....	18	40
Measuring and measurement bill, 356 tons.....	11	90
Light, fire, beacon dues, in and out.....	70	85
Custom House clearance, in and out.....	12	60
Labor, discharging cargo.....	120	00
Postages, petty charges.....	1	50
Outward river pilotage.....	11	25
Outward sea pilotage.....	15	30
	490	49

(About \$199.64.)

Commission on inward freight, $2\frac{1}{2}$ per cent.
 " on outward freight, 5 "

SCHIEDAM: Expenses of a vessel of 200 tons register (249 Dutch tons), drawing loaded, $14\frac{1}{2}$ feet (44 palms), coal in, ballast out.

	Gl.
Pilotage from sea to Helvoetsluis.....	66
Pilotage from Helvoetsluis to Schiedam.....	24
Shifting berth in Schiedam.....	2
Harbor dues.....	36
Canal dues.....	24
Broker's commission.....	34
Ballast (37 lasts).....	34
Pilotage from Schiedam to sea.....	19
	239

(About \$96.28.)

NIEUWE DIEP AND TEXEL: Tariff of ballast at Nieuwe Diep, per last of 32 cwt.:

INNER HARBOR.

	Fl.	Cents.
Alongside the ship.....	1	00
Over one stage.....	1	20
Over two stages.....	1	35
Trimming.....		15
Over deck with two stages.....	1	50

OUTER HARBOR.

With addition per last of..... 10

Tariff of steam-tugs for towing; 1 last equal to 1.9 tons:

SHIPS INWARD BOUND.

	Gl.	Cents.
From the roads, up to 160 last.....	24	00
" " " above 160 last, per last.....		15
" light-house, to 160 lasts, 24 gl.; with addition of 13 cents. for every last measurement.....		
" light-house, above 160 to 400 lasts, per last.....		28
" outer buoy to 160 lasts.....	60	00
" " " above 160 lasts, per last.....		37 ⁵
(However, the amount may not exceed above 120 gl.)		
" outer buoy, above 400 lasts, per last.....		30

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Ship Builders.—Continued.

Fernald William F.....	Portsmouth, N. H
Littlefield Daniel.....	" "
Marcy Daniel.....	" "
Campbell & Brooks, 334 Border.....	Boston
Gore Abiel, 299 Marginal.....	"
GREEN WM. F. & SON (see page 102), 282 Border...	East-Boston
Kelley D. D. Sumner cor N. Ferry ave.....	"
Loring Harrison, E. 1st nr M, City Point.....	South-Boston
Smith & Townsend, 374 Border.....	Boston
TAYLOR JUSTIN E. & WILLIAM H. COLBY (see page 102), Condon nr Meridian st Bridge.....	East-Boston
Pierce, Montgomery & Howard.....	Chelsea, Mass
Cobb William.....	Dighton, "
Keene Nathaniel P.....	Duxbury, "
Merritt John & Bros.....	" "
Adams & Story.....	Essex, "
Burnham Aaron O.....	" "
Burnham Williard A.....	" "
Burnham & Story.....	" "
Burnham W. R. & Co.....	" "
Jame John.....	" "
Story Joseph & Co.....	" "
Terry J. C.....	Fall River, "
Pollard & Woodbury.....	Gloucester, "
Story David.....	" "
Holmes Edward.....	Kingston, "
Cannon Bros.....	Mattapoisett, "
Holmes Jonathan H.....	" "
Chase Abraham.....	New-Bedford, "
Damon Samuel.....	" "
Edwards William L.....	" "
HOWLAND JOHN W. (see page 94) City whf	" "
Mashow John.....	" "
Atkinson & Fillmore.....	Newburyport, "
Colby & Lunt.....	" "
Currier George E.....	" "
Currier John J.....	" "
Hardy Bros.....	" "
Jackman George W. jr.....	" "
Thomas George.....	Quincy Point, "
Brown Joshua.....	Salem, "
Frisbee A. J.....	" "
Piper & Marquand.....	Salisbury, "
French & Israel.....	Taunton, "
Gifford Charles.....	Vineyard Haven, "
Peak J. C. & C.....	Wellfleet, "

New-Bedford Caboosees and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

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Three Doors below Spruce,

PHILADELPHIA.

Boat Sails, Awnings, Tents and Flags Made to Order.

MAIR & CRANMER, SAIL MAKERS,

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FLAGS MADE TO ORDER.



O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

WEIGHTS AND MEASURES.

Commercial Measure.

16 drachms 1 ounce.	28 pounds 1 quarter
16 ounces 1 pound.	4 quarters 1 cwt.
14 pounds 1 stone.	2240 pounds 1 ton.

Square Measure.

144 square inches 1 square foot.	40 square rods 1 square rood.
9 square feet 1 square yard.	4 roods 1 square acre.
30½ square yards 1 square rod.	640 square acres 1 square mile.

Cubic Measure.

A cubic foot has 1728 cubic inches.	A ton of hewn timber has 50 cubic feet.
An ale gallon has 282 cubic inches.	A pile of wood 4 feet high, 4 feet broad, and 8 feet long, makes 1 cord.
A wine gallon has 231 cubic inches.	A box 24 x 16 inches, 22 deep, contains 1 barrel.
A dry gallon has 268⅔ cubic inches.	A box 16 x 16½ inches, 8 deep, contains 1 bushel.
A bushel has 2150⅔ cubic inches.	A box 8 x 8½ inches, 8 deep, contains 1 peck.
A cord of wood has 128 cubic feet.	A box 4 x 4 inches, 4½ deep, contains 1 half peck.
A ton of round timber has 40 cubic feet.	A box 4 x 3 inches, 2½ deep, contains 1 quart.

Table of Distance.

An acre contains 4840 square yards.	A cubic is 2 feet.
209 feet long by 209 broad is 1 acre.	A hand is 4 inches.
A mile is 5280 feet, or 1760 yards.	A palm is 3 inches.
A league is 3 miles.	A space is 3 feet.
A fathom is 6 feet.	A span is 10½ inches.

Liquid Measure.

A barrel holds 31½ gallons.	A puncheon holds 84 gallons.
A hogshead holds 63 gallons.	A pipe holds 126 gallons.
A tierce holds 42 gallons.	A tun holds 252 gallons.

Barrel Measure.

A barrel of flour is 196 pounds.	A barrel of rice is 600 pounds.
A barrel of pork is 200 pounds.	A firkin of butter is 56 pounds.
A tub of butter is 84 pounds.	

Length Measure.

12 inches make 1 foot.	4 rods make 1 chain.
3 feet make 1 yard.	10 chains make 1 furlong.
2 yards make 1 fathom.	8 furlongs make 1 mile.
16½ feet make 1 rod.	3 miles make 1 league.

Bushel Measure by Weight.

Bushel of	Weight lbs.	Bushel of	Weight lbs.	Bushel of	Weight lbs.
Wheat.....	60	Salt.....	50	Blue-grass seed.....	44
Shelled corn.....	56	Stone coal.....	80	Buckwheat.....	52
Corn in the ear.....	70	Malt.....	38	Dried peaches.....	38
Peas.....	60	Bran.....	20	Dried apples.....	24
Rye.....	56	Turnips.....	55	Onions.....	57
Oats.....	32	Castor beans.....	46	Plastering hair.....	8
Barley.....	47	Clover seed.....	60	Unslacked lime.....	30
Irish potatoes.....	60	Timothy seed.....	45	Corn meal.....	48
Sweet potatoes.....	55	Flax seed.....	56	Fine salt.....	55
White beans.....	60	Hemp seed.....	44	Ground peas.....	24

Baltimore Copper Paint is unsurpassed.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

SHIPS OUTWARD BOUND.

DISTANCE MONEY.

AMSTERDAM: Expenses on a ship of 360 tons register, or about 400 Dutch tons, drawing 12 feet English, or 36 palms, from the East-Indies to Amsterdam, inward and outward with a full cargo.

(About \$421.08, at \$4.80 per lb.)

Pilotage in and out.....	2	15	0
Pier dues.....	1	12	0
Light dues.....	1	10	0
Lighterage.....	3	10	0
Horse tracking.....	0	14	0
Harbor dues.....	0	5	0
	10	6	

(About \$50.44.)

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Ship Builders.—Continued.

Rich N. B.....	Wellfleet, Mass
Rich S. B.....	“ “
Chace Philip.....	East-Providence, R. I
Cotrell Silas H. & Co. 253 Thames.....	Newport, “
Providence Marine Railway Co. R. S. Alexander supt.....	Providence, “
Greenman, George S.....	Westerly, “
Goodspeed W. H.....	East-Haddam, Ct
Mack David.....	Essex, “
Stockay Noah.....	“ “
Baldwin & Payne.....	Fair Haven, “
Nettleton W. O.....	“ “
Cadwell William H.....	Gillford, “
Palmer & Duff.....	Greenwich, “
Comstock Henry T.....	Lyme, “
Minor C. M. & Sons.....	Madison, “
Grinman George & Co.....	Mystic Bridge, “
Hill & Grinnell.....	“ “
Mallory Charles.....	“ “
Fitch Thomas & Co.....	New-London, “
Latham James A.....	Noank, “
Palmer R. & Co.....	“ “
Gildersleve S. & Son.....	Portland, “
Beldon S. & E. S.....	Rocky Hill, “
Sheffel Stanton.....	Stonington, “
Thomas Albert.....	West-Haven, “
Dean J. S.....	Weston, “
CONTINENTAL WORKS (see p. 150)....	Greenpoint, Bklyn, N. Y
Englis John & Son.....	“ “ “
ROWLAND T. F. (see page 150).....	“ “ “
Chase Luther S. 52 South.....	New-York
O'Connell P. J. 43 South.....	“
Poillon C. & R. 224 South.....	“
Roach John, foot E. 9th.....	“
STUELER R. (see page 154) 159 Front.....	“
Waterbury Isaac N. ft E. Houston.....	“
Webb William H. 54 Exchange pl and 208 Lewis.....	“
Williams John C. 480 Water.....	“
Bartle William T. 828 Richmond.....	Philadelphia
Birely, Hillman & Streeker, Beach cor Warren.....	“
Cramp W. & Sons, Beach nr Norris.....	“
Hoffmann James N. Dickinson st whf.....	“
HOLMES, SHAW, BROWN & CO. (see page 280)	
Bordentown, N. J. office 402 Walnut.....	“
Lynn John W. & Son, 426 S. Delaware ave.....	“
McCraight T. & Co. Beach cor Norris.....	“
Shapley Ezekiel C. 1831 Columbia ave.....	“

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

H. L. GREGG & CO.,

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Freight Engagements made to all parts of the World.

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SHIP BROKER

AND

Commission Merchant,

424 SOUTH DELAWARE AVENUE,

PHILADELPHIA.

L. WESTERGAARD & CO.,

SHIP AGENTS & SHIP BROKERS

(Vice-Consulate of Sweden and Norway),

(Consulate of Austria and Hungary),

(Consulate of the Netherlands),

138 SOUTH SECOND STREET,

L. WESTERGAARD, }
GEO. S. TOWNSHEND. }

PHILADELPHIA.

WILLIAM BROCKIE,

Shipping and Commission Merchant,

101 WALNUT STREET,

PHILADELPHIA.

AGENT FOR

RICHARDSON, SPENCE & CO., LIVERPOOL.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Ship Builders.—Continued.

Simpson A. S. & Bro. 833 Swanson.....	Philadelphia
WHITECAR JOSEPH, 402 Penn (see page 260).....	"
WOOD, DIALOGUE & CO. The River Iron Works (see inside front cover).....	Camden, N. J
Moore Enoch jr. ft 4th.....	Wilmington, Del
Tomlinson N. L. & Co. 12th & R. R. East.....	"
Ashcroft Robert, Thames ne cor Wolfe.....	Baltimore
Booz Chas. W. shipyard at Atlantic whf.....	Canton, "
Brusstar Henry, Boston nr Chesapeake.....	"
CHESAPEAKE MARINE RAILWAY & DRY DOCK CO. (see page 324) ft Philpot.....	"
Clark William T. South Side Basin.....	"
Stevens & Newman, 23 Fell.....	"
Waite & Kerr, ft Warren.....	"
Wellener Basil S. Philpot cor Wills.....	"
ELLIS JOSEPH A. (see page 370) Water.....	Norfolk
GRAVES WILLIAM A. (see page 378) 211 to 219 Water..	"

Ship Builders' Hardware.

Dyer & Hughes.....	Foxcroft, Me
BLISS BROS. 170 Commercial.....	Boston
Foster & Roby, 178 Commercial.....	"
MORSS ANTHONY S. (see page 132) 210 Commercial...	"
Providence Tool Co. 44 Broad.....	"
COFFIN PAUL C. & CO. (see page 142) 197 West....	New-York
Cleary Edward M. 274 S. Broadway.....	Baltimore
SMULL D. C. (see margin lines) 60 W. Pratt.....	"
Forbes & Butt, 5 Market sq.....	Norfolk
Hudgins W. R. & Co. 35 Market sq.....	"
WHITE E. V. & CO. (see page 360) 12 Commercial row..	"

Ship Carpenters.

Carver Austin.....	Belfast, Me
Dyer Bros.....	"
Sides Isaac.....	"
Douglass Thurston G.....	Bluehill, "
Holt Stephen D.....	"
Walton & Nealley.....	Brewer, "
Douglass John.....	Bucksport, "
Brewer Daniel.....	Cape Elizabeth, "
Dyer Caleb.....	Ferryville, "
Dyer Nathan R.....	"
Anderson George.....	Freeport, "
Brewer Horace.....	"
Rice David.....	Hampden Corner, Hampden, "
Gooch Charles W.....	Kennebunkport, "
Grant Ira.....	"

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Holland.—Continued.

HARLINGEN: Expenses of a vessel of 136 tons register, cargo in and ballast out, lying up all winter.

INWARD.		Fl.	Cents.
Pilotage.....	47	60	
Steam-tug, 2 fl.; telegram, 1 fl.....	3	00	
Entering at Custom House.....	5	95	
Harbor dues.....	19	38	
Beacon dues, etc.....	26	76	
Broker.....	4	08	

OUTWARD.		Fl.	Cents.
Pilotage out of harbor.....	7	25	
Measurement (of draft).....		50	
Gate money (two gates).....	5	44	
Dock dues (all winter).....	10	88	
Beacon dues.....	5	44	
Certificate.....		30	
Ballast, 45 lasts.....	45	00	
Charges on stores, 5 c. per ton.....	6	80	
Postages.....	1	00	
Customs seals.....	1	50	
Clearance outward.....	2	50	
Pilotage to sea.....	11	20	
	204	58	

(About \$34.12.)

GRONINGEN: A vessel of 140 tons has to pay the following charges, besides pilotage, towage, and harbor dues:

	Fl.	Cents.
Light and Custom House dues.....	25	00
Measurement.....	5	00
Noting sea protest.....	7	50
Clearing and reporting.....	14	00
	51	50

(About \$21.28.)

LITTLE CURACOA: Expenses of a vessel of 257 tons register:

	Gl.	Cents.
Consul's fees and bill of health.....	9	38
Harbor dues.....	64	25
Pilotage in and out.....	25	20
Light dues.....	25	70
Police inspection before sailing.....	2	50
Fort pass.....	2	50
Translating manifest.....	12	00
	141	33

(About \$54.20.)

COPPENAME: Dues and charges on a vessel of 192 tons register:

	Gl.	Cents.
Pilotage from light-ship to town, 14 feet draught (at P).....	35	00
Fees for weighing tubs and use of crane.....	1	00
Petition for permission to go to Coppename to load.....	7	00
Stamps on bond for export duty.....	2	00
Stamps on manifest.....	2	00
Advertisement in newspapers.....	2	75
Certificate and stamps.....	3	00

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Ship Carpenters.—Continued.

Nash J. Lowell	Machias, Me
Shaw John	" "
Whiting A. J.	Mt Desert, "
Batchelder Samuel P.	East-Westbrook, Portland, "
Dyer Charles	" "
Durgin John, 48 Commercial	" "
Batchelder Samuel	Portland, Deering, "
Polester George	" "
Benner Hermond	Thomaston, "
Lermond Charles	" "
Lermond David	" "
Lermond John	" "
Elwell Jacob	Richmond, "
Umbehine John	" "
Eels Albert S. & Co.	Rockport, "
Pascal John	" "
Stevens Eliab	Wells, "
Sampson Sewell	Winterport, "
Clark Samuel	Portsmouth, N. H
Martin Thomas	" "
Wilson F. J.	" "
Wilson Isaiah	" "
Maxner John E.	Beverly, Mass
Preston R. J.	" "
Andrew H. N. & Co.	Gloucester, "
Burnham Bros.	" "
Davis Bros.	" "
Davis Elias & Son	" "
Poland & Woodbury	" "
Story David A.	" "
Sears William	Plymouth, "
Bagnell Richard W.	" "
Chandler Hiram	" "
Kendrick Asa	" "
Briggs & Look	New-Bedford, "
Brown Benjamin C.	" "
Chase Abraham	" "
Damon Samuel	" "
Howland John W.	" "
Union Trading Co. S. Harding 2d agt.	Wellfleet, "
Hopkins Nathaniel	Provincetown, "
Whitcomb John G.	" "
Southern Whf Co.	South-Wellfleet, "
Burnham Newell	Rockport, "
Chesapeake Marine Railway and Dry Dock Co. (see page 324)	
ft. Philpot	Baltimore
Cove W. T. Chamberlaine's whf.	Norfolk

D. C. Smull, 60 W. Pratt St., Baltimore, Atlantic Caboooses and Galley Outfits.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

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General Commission and Shipping Merchant

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United States Shipping Commissioner,

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Branch Office, 1274 Richmond Street,

PHILADELPHIA.

CHARLES BENTRICK, Deputy.

WILLIAM M. WILSON & CO.,

IMPORTING, PACKAGE AND JOBBING

DRUGGISTS,

206 and 208 Market Street,

PHILADELPHIA.

Paints, Oils, Medicine Chests, etc.

CORNELIUS McDERMOTT,
STEVEDORE,

114 Almond Street,

PHILADELPHIA.

Orders responded to promptly. Personal attention given.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

WEIGHTS OF CORN.

40 bushels weigh	1 ton.	2,000 bushels weigh	50 tons.
80 " "	2 tons.	2,200 " "	55 "
120 " "	3 "	2,400 " "	60 "
200 " "	5 "	2,600 " "	65 "
240 " "	6 "	2,800 " "	70 "
320 " "	8 "	3,000 " "	75 "
400 " "	10 "	3,200 " "	80 "
480 " "	12 "	3,400 " "	85 "
560 " "	14 "	3,600 " "	90 "
640 " "	16 "	3,800 " "	95 "
720 " "	18 "	4,000 " "	100 "
800 " "	20 "	8,000 " "	200 "
880 " "	22 "	12,000 " "	300 "
1,000 " "	25 "	16,000 " "	400 "
1,120 " "	28 "	20,000 " "	500 "
1,200 " "	30 "	24,000 " "	600 "
1,400 " "	35 "	28,000 " "	700 "
1,600 " "	40 "	32,000 " "	800 "
1,800 " "	45 "	36,000 " "	900 "

1000 tons equal 40,000 bushels.

At 56 pounds.

WEIGHTS OF WHEAT.

37½ bushels weigh	1 ton.	1,867 bushels weigh	50 tons.
75 " "	2 tons.	2,053 " "	55 "
112 " "	3 "	2,240 " "	60 "
187 " "	5 "	2,427 " "	65 "
224 " "	6 "	2,613 " "	70 "
299 " "	8 "	2,800 " "	75 "
373 " "	10 "	2,987 " "	80 "
448 " "	12 "	3,173 " "	85 "
523 " "	14 "	3,360 " "	90 "
597 " "	16 "	3,547 " "	95 "
672 " "	18 "	3,733 " "	100 "
747 " "	20 "	7,467 " "	200 "
821 " "	22 "	11,200 " "	300 "
933 " "	25 "	14,933 " "	400 "
1,045 " "	28 "	18,667 " "	500 "
1,120 " "	30 "	22,400 " "	600 "
1,307 " "	35 "	26,132 " "	700 "
1,493 " "	40 "	29,866 " "	800 "
1,680 " "	45 "	33,600 " "	900 "

1000 tons equal 37,333 bushels.

At 60 pounds.

PHILADELPHIA MARITIME EXCHANGE.

CHAMBER OF COMMERCE, SECOND STREET, ABOVE WALNUT.

OFFICERS elected to serve until the annual meeting : President, William Brockie ; Vice-President, George W. Mears ; Treasurer, Edwin W. Adams ; Managers, George Taylor, H. L. Gregg, Watson Malone, L. Westergaard, Frank L. Neal, I. O. McHenry, John C. Scott, Samuel W. Adams, William Curtiss, Stephen Flanagan, D. S. Stetson, E. K. Stevenson, Henry P. Sloan, Philip Fitzpatrick, John B. Wattson, George W. Griffin.

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

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Engineer and Marine Architect,
CHIEF SURVEYOR OF
IRON VESSELS FOR THE VERITAS-REGISTER INTERNATIONAL,
307 WALNUT STREET,
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Furnishes Plans, Specifications, Estimates, Contracts and Superintendence for all kinds of work connected with Iron Vessels, Mills, Blast Furnaces, Grain Elevators, Dry Docks, Simple or Compound Engines for Mines, Mills, or Steam Vessels. Steam Boilers of every kind, Machine Tools, Hydraulic Apparatus and all kinds of Engineering Apparatus and Structures.

AMERICAN HOTEL,

CHESTNUT STREET,
OPP. OLD INDEPENDENCE HALL,
PHILADELPHIA.

S. M. HUELINGS, Proprietor.

B. E. ETHERIDGE,
SAIL AND FLAG MAKER,
250 NORTH DELAWARE AVENUE,
PHILADELPHIA.

Orders promptly attended to at Short Notice. Work warranted.

WM. POST. **POST BROTHERS,** JOS. T. POST.
SAIL MAKERS,
426 S. Delaware Ave. and 427 Penn St. (Entrance on Penn St.),
PHILADELPHIA.
CIRCUS TENT MANUFACTURERS.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

Ship Carpenters.—Continued.

Doughty & Ross, 25 Woodside's lane.....	Norfolk
COOK WILLIAM S. & CO. (see page 370) Quinn cor	
Water.....	Portsmouth, Va
Usina & Jones, Savannah river ft Price.....	Savannah
Willink H. F. Savannah river ft Barnard.....	"

Ship Frame Furnishers.

Eben Haggart.....	New-Castle, Me
George W. Thompson.....	Rockland "
Mark, Hewitt & Bro.....	Thomaston, "
Mehan N.....	" "
Rokes & Morse.....	" "
Sherman, Geary & Co.....	" "
Vening O. M. & Co.....	" "
Linthicum Z. W. Pratt cor Buchanan's whf.....	Baltimore

Ship Joiners.

Cottrell Jacob Y.....	Belfast, Me
Spicer Horatio.....	" "
Chambers LeRoy.....	Brewer, "
Page Albert.....	Bucksport, "
Page A. C.....	" "
Chapman George G.....	Damariscotta, "
Hilton John.....	" "
Hilton James.....	" "
Royal Jacob.....	" "
Woodward Uriah.....	" "
Anderson Joseph.....	Eastport, "
Lee John.....	" "
Low Isaiah C.....	" "
Chick Daniel.....	Kennebunk, "
Downing Isaac.....	" "
Emery Joshua S.....	" "
Gooch Warwick.....	" "
Goodwin Woodbury.....	" "
Towns William.....	Kennebunkport, "
James Hiram.....	Portland, Deering, "
Knights Washington.....	" "
McKenzie Roderick.....	" "
Sargent Edward.....	" "
BRADFORD JOSEPH (see page 30), 200 Fore.....	Portland, Me
LEWIS JOTHAM G. head Franklin whf.....	" "
Phillips W. H.....	" "
Copeland Oliver E.....	Thomaston, "
Keating George.....	" "
Nichols Proctor P.....	" "
Starrett Stephen B.....	" "

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Holland.—Continued.

Bill of health.....	1	00
Port rules.....	2	50
Doctor's visit at Fort Amsterdam.....	3	00
Permit to sail up the river.....	1	00
Harbor Master.....	7	00
Commissary of police, visa of manifest.....	1	00
Tonnage dues and stamps.....	291	00
Wharfage and light dues.....	59	25
Two lighter loads of ballast, at 26 gl.	52	00
Brokerage.....	50	00
Carpenter's, butcher's, and ship-chandler's bills.....	392	79
Consul's fees, 6 gl. ; postage, 75 c.	6	75
Cash to captain.....	70	00
Laborage at Coppename, 1½ gl. per man.....	111	00
	1101	4

(About \$444.04.)

SURINAM : The harbor dues on shipping are as follows :		Fl.	Cents.
Doctor's visit on board.....	3	00	
Harbor Master.....	5	00	
Tonnage money, per ton.....	1	50	
Light money for a vessel over 100 tons register.....	10	00	
“ “ “ under 100 tons.....	5	00	
Landing and pier money for a vessel above 100 tons.....	10	00	
Ditto, under 100 tons.....	5	00	
Visa of manifest at the bureau of police.....	1	00	
Certificate of the land dues being paid.....	3	00	
Book of harbor regulations.....	2	00	
Weigh-master's certificate.....	5	00	
Bill of health.....	3	00	
Stamp of manifest.....	5	00	

NICKERIE : Expenses on a vessel of 193 tons register, general cargo in and produce out :

Custom House officers.....	Gl.	57
Tonnage dues.....	303	
Clearance, in and out.....	25	
Pilotage, in and out.....	70	
Brokerage for transacting ship's business.....	120	
Postages, etc.....	6	
	581	

(About \$234.32.)

JAVA : Dues and charges on a ship of 947 tons register, chartered to load at Batavia, Proboling, and Pasurnan :

Batavia :		Fl.	Cents.
Coolie hire and boat hire, etc.....	386	85	
Certificate of survey.....	35	00	
Hospital fees.....	9	00	
Harbor dues.....	239	45	
Probolingo :			
Coolie hire.....	100	20	
Eight sugar hooks.....	12	00	
Clearance fees.....	15	00	
Pasurnan :			
Port clearance and stamps.....	17	40	
Boatman, 30 days.....	87	00	
	901	90	

(About \$360.76.)

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Ship Joiners.—Continued.

Winslow James.....	Thomaston, Me
Brown William.....	Waldoboro, "
Storer Benjamin.....	" "
Waltz Otis.....	" "
Bickford Moses P. 315 Commercial.....	Boston
Donnell H. D. 132 Broad.....	"
Donnell W. E. 295 Commercial.....	"
Greene Wm. F. 282 Border.....	"
Jones H. L. Border cor Decatur.....	"
Kent B. B. 308 Commercial.....	"
Leach W. H. & Co. 343 Commercial.....	"
McKay Wm. 131 Border.....	"
McKie Wm. H. 153 Border.....	"
Peterson Sidney, 145 Border.....	"
Ryder Whitman L. 303 Commercial.....	"
Simmons Charles, 14 Sumner.....	"
JONES HENRY L. 137 Border.....	East-Boston
PETERSON SIDNEY (see page 118), 145 Border.....	" "
Baker Lorenzo.....	New-Bedford, Mass
Damon Doane W.....	" "
Bruce F. D.....	Newburyport, "
Evans Winthrop O. & Co. 248 Merrimac.....	" "
Winslow John.....	New-London, Ct
Brown John E. 216 Franklin.....	New-York
Coger John J. 480 Water.....	"
Conlan Michael, 293 Front.....	"
Eells Henry B. 263 West.....	"
Fairbanks J. K. 369 West.....	"
Hackett John T. 39½ South.....	"
Hall John, 18 James slip.....	"
Hennion William P. 183 Lewis.....	"
Hoffmire John D. 808 5th.....	"
Losee Valentine, 87 West.....	"
McGovern John, 68 Rutgers.....	"
Rowland William & Co. 822 5th.....	"
Smith John M. 56 Harrison.....	"
Smith Amos C. 160 Maiden lane.....	"
Thomas Henry B. 58 Harrison.....	"
Vanderveer Tristram D. 195 Lewis.....	"
Vosburgh & Gilbertson, 182 Lewis.....	"
Whittle & Whitehead, 84 West.....	"
Wyman John A. 158 Maiden lane.....	"
Lauer Leonard, 818 Swanson.....	Philadelphia
Murphy Davis & Co. 786 Swanson.....	"
COOK WILLIAM S. & CO. (see page 370) Water cor Quinn.....	Portsmouth, Va
WHITEHURST NATHANIEL (see page 370), Water.....	Norfolk
O'BRIEN E. & SON (see page 394), 140 E. Bay.....	Charleston

Baltimore Copper Paint is equal to any in Use.

Use the best, Tarr & Wonson's Copper Paints. John
C. Giffing, Ag't, 31 South St., N. Y.

C. W. SPEAR.

H. C. COOPER.

SPEAR & COOPER,

DEALERS IN

WHITE LEAD, WHITE ZINC,

Colors, Varnishes, Window Glass, Tar,

PITCH, OAKUM, ROOFING FELT, MACHINERY OILS, ETC.,

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OPPOSITE PHILADELPHIA PILOTAGE.

PHILADELPHIA.

SHIPS' PAINT STORES.

White Lead, Red Lead, Black Lead, Marine Paint, Deck Paint, Chrome Green, Chrome Yellow,
Prussian Blue, Verdigris, Arsenic, Copper Paint, Yellow Ochre, Red Ochre, Venetian
Red, Vermilion, Lampblack, Boiled Linseed Oil, Raw Linseed Oil, Signal
Oil, Kerosene Oil, Lard Oil, Whale Oil, Sperm Oil, Turpentine,
Naphtha, Black Varnish, Bright Varnish, Copal Var-
nish, Damar Varnish, Shellac Varnish,
Furniture Oil, Tar, Pitch, Oakum,
Burnt Umber and Raw
Umber.

STEAMBOAT AND STEAM TUG SUPPLIES.

Tallow, Emery Cloth, Cotton Waste, Sheet Gum,

RAGS, PACKING, AND MACHINERY OILS.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Philadelphia Pilotage.

Pilots' Office, 416 S. Delaware ave.

Philadelphia is situated on the west bank of the Delaware River.

It possesses an excellent harbor, capable of receiving the largest vessel afloat. The steamer Great Eastern lay in 57 feet of water at the pier-heads, at low tide.

Water on the bar at spring tides, 24 feet; at low tide, 19 to 20 feet.

Duck Creek Flats, near New-Castle, is a good harbor for vessels detained by ice.

Keeping Cape Henlopen Light-house on a bearing from W. to N. W., and giving it a wide berth of three miles, any size ship can get into the bay in safety.

The principal bar is below Fort Mifflin and the Horseshoe, about a mile below the city.

Vessels are allowed to lie in the stream 24 hours after arrival, but can lie up at a wharf on the island just ahead of the Washington wharf for 75 cts. a day.

There is a wharf at the Point Breeze Gas Works, on the Schuylkill River, where vessels of 18 feet draught can discharge coal.

There is another wharf close to, belonging to the Atlantic Petroleum Storage Company, where vessels of 18 feet draught can also load. The bottom alongside both wharves is soft mud.

The Petroleum Company charge \$3.50 per day for wharfage, but we believe there is no charge by the Gas Company.

Vessels coming up the Delaware, in tow, can generally make an agreement to be towed to Point Breeze for the same price as is asked for towage to Philadelphia.

Wharfage dues: For a ship, per day, 16s.; a bark, a brig, or a schooner, 12s. per day.

Pilotage: For vessels inward, up to 12 feet, \$3.74 per foot; over 12 feet, \$4.16 per foot; outward, \$3 per foot.

Vessels in tow to Philadelphia, up to 12 feet, \$3 per foot; over 12 feet, for every foot, \$3.33.

Every vessel arriving from or bound to a foreign port is bound by law to take a pilot.

Every shipmaster is bound to report immediately, on arriving, to the Warden's office, under a penalty of \$10; and incurs a like penalty if he does not record his clearance before departing.

Every pilot detained by the master, owner, or consignee, or by the ice, is entitled to \$3 a day.

Every pilot obliged by the ice or stress of weather to proceed to another port, is entitled to his pilotage; and, if there discharged, to 8 cts. a mile for every mile he has to travel home.

Every vessel obliged to receive a pilot is required to pay \$10 winter pilotage.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Germany.

EMDEN : Dues and charges on a vessel of 345 tons register, with cargo of rye, from Galatz :

	R.	Sgr.	Pfg.
Reporting.....	10	0	0
Tonnage dues inward.....	12	6	8
Noting protest.....	1	29	0
Town dues.....	28	10	0
Delfzyl pilotage.....	41	19	0
Emden pilotage and pilot's fees.....	55	18	9
Men assisting pilot and swinging vessel.....	5	0	0
Laborage, bringing anchor and rope on board.....	5	0	0
Boat-hire, 1 r. ; telegram to Liverpool, 2 r. 4 sgr.....	3	4	0
Tonnage dues outward.....	3	1	8
Harbor Master, Customs offices, and postage.....	10	20	0
Pilotage outward, and fees.....	22	15	0
Clearing.....	3	10	0
Laborage, discharging cargo.....	27	15	0
	229	29	1

Consul, engaging and discharging crew.....	£0	16s.	0d.
Commission, collecting freight.....	9	13	6
	10	9	6

(About \$215.80.)

LEER : Expenses of a vessel of 89 Bremen lasts (about 132 tons, English), from Odessa with rye, leaving in ballast :

	Ld'or.	Gr.
Lastage (tonnage dues) inward.....	4	23
Town dues.....	12	69
Harbor and wharf dues.....	1	68
Lastage outward.....		38
Pilotage from sea to Delfzyl, per agreement.....	31	30
	51	12
	Ld'or.	Gr.
Pilotage from Delfzyl to Leer.....	11	00
Tug-boat.....	2	36
Seals (to guard ship).....		24
Pilotage from Leer to sea.....	18	00
	31	60

Clearance, in and out, and cashing freight, 1 per cent.

HEPPENS : Expenses of a vessel of 171 tons register, cargo in and ballast out :

	£	s.	d.
Harbor dues.....		3	6
Pilot in and out of harbor.....		7	6
Address commission.....	1	12	0
Ballast put on board, 28 lasts.....	3	3	0
Laborage, two men, five days, at 3s.....	1	10	0
	6	16	0

WILHELMSHAFEN : Charges on a brig of 180 tons register, cargo in and ballast out :

	Thlr.	Gr.
Brokerage, reporting in and out.....	7	20
Ballast, 20 lasts.....	15	00
Laborage, 12 men at 1 thlr. per day.....	12	00

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Ship Knees.

Cummings G. W.	Bangor, Me
Robinson J. D.	Bath, "
Daley R.	Calais, "
Hall J. S. & Sons.	" "
Haur Rufus.	" "
Spencer Alexander.	" "
TAYLOR LORENZO (see page 46), 178 Commercial.	Portland, "
PRATT & CO. (see page 174) 44 to 50 Terrace sq.	Buffalo, N. Y

Ship Machinery.

COFFIN & WOODWARD (see page 54), 224 State.	Boston
BUCKLEY & MERRITT (see page 138), 156 South.	New-York
BURHANS & GEORGE (see page 252), 164 Maiden lane,	"
SNELLING J. & CO. (see page 144) 158 South.	"
POWER JAMES & CO. (see page 368) 26 Rowland's whf.	Norfolk

* Ship Paints.

INGERSOLL A. M. (Ingersoll's Ready Mixed) 156	
South.	New-York
LUCAS JOHN & CO. (see page 266) 141 & 143 N.	
4th.	Philadelphia

Ship Plugs and Wedges.

Dennison D. H.	Brunswick, Me
Colby Emery & Co.	Bucksport, "
Eaton J. E.	Calais, "
Tinker J. M.	" "
Gould A. B. & H. A.	Camden, "
Shaw Benjamin.	Gardiner, "

Shipsmiths.

Cassidy T. F.	Bangor, Me
CROOKER & LILLY (see page 18), Commercial.	Bath, "
Jordan Samuel.	" "
Doane Charles.	Brewer, "
Smith Albert H.	" "
Woodward George.	Brunswick, "
Dorr Henry.	Bucksport, "
Sanders Austin.	" "
Levingston James.	Calais, "
Knowlton D. & Co.	Camden, "
Bolton Eli.	Ferryville, Cape Elizabeth, "
Dennison James M.	East-Machias, "
Hodgkins E.	Ellsworth, "
Leland Henry.	" "
Ferrin Nathaniel.	Kennebunk, "
Chadbourn H. H.	Kennebunkport, "

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McGUIRE & BRYANT,
TUG-BOAT AGENTS,
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PHILADELPHIA.

E. & J. BAKER,

Grocery and Ship Chandlery,

138 NORTH WHARVES,

PHILADELPHIA.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Shipsmiths.—Continued.

Hall George.....	Kennebunkport, Me	
Rounds William.....	"	"
EVERY SAMUEL & CO. hd Central whf.....	Portland, "	"
LAUGHLIN THOMAS & SON (see page 22), 16 & 18 Centre.....	"	"
Leach Asa.....	"	"
LEIGHTON A. K. P. & CO. (see page 50) 200 Com- mercial.....	"	"
STANWOOD CHARLES, 171 Commercial.....	"	"
Stanwood George M. & Co.....	"	"
Sears James L.....	"	"
TAYLOR ALEXANDER, 46 Commercial.....	"	"
Taylor W. & A.....	"	"
YOUNG DAVID, 5 Union.....	"	"
Ames J. F. & D. C.....	Richmond, "	"
Rowe Robert.....	"	"
Atkins William J.....	Rockland, "	"
Bragg Z. O.....	"	"
Walker E. S.....	Searsport, "	"
Hahn Sylvester.....	Thomaston, "	"
Hanly Philip G.....	"	"
Mathews Oliver A.....	"	"
Sidensparker Otis.....	"	"
Woodcock Nathaniel.....	"	"
Hatch J. S.....	Waldoboro, "	"
Sides Andrew.....	"	"
Waltz William G.....	"	"
Roberts Nicholas.....	Yarmouth, "	"
Scammon Thomas.....	"	"
Greenleaf Gardner J.....	Portsmouth, N. H	"
Leach & Lydston.....	"	"
Lord Moses.....	"	"
Matthews & Co.....	"	"
Perkins & Dyer.....	"	"
Raitt James W.....	"	"
Rice B. F.....	"	"
Seymour Solomon.....	"	"
Trafton Bros.....	"	"
Wendell George H.....	"	"
Wiggin Thomas.....	"	"
BOSTON FORGE CO. Maverick.....	East-Boston	"
COLE ALBERT, Border cor Lexington.....	"	"
EMERY E. O. & CO. 13 Sumner.....	"	"
HATHAWAY JOHN, 138 Border.....	"	"
JOHNSON EDWARD, Marginal.....	"	"
LEWIS & MISENER (see advt.) 96 Lewis.....	"	"
NUTE JAMES & SON, Sumner.....	"	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Port Charges, Germany.—Continued.

	Thlr.	Gr.
Sea pilotage to dock.....	29	00
Pilot into dock.....	3	20
Pilotage out of dock.....	2	00
Pilotage out to sea.....	16	00
	86	00

RUSTERSIEL : Charges and dues on a vessel of 75 tons register, ballast in and cargo out :

	Thlr.	Sgr.
Pilotage in, 8 feet, at 7 sgr. per foot.....	1	26
“ out, 7 “ “ “ “.....	1	19
Buoy dues.....	1	6
Customs dues.....	1	6
	5	27

FEDDERWARDER SIEL : Expenses of a vessel of 100 tons register, cargo in and ballast out :

	£	s.
Pilot in and out.....	4	0
Harbor dues.....		7
Ballast, 40 tons.....	3	0
	7	7

BRAKE : Pilotage dues from April 16th to September 15th :

	Thlr.	Gr.
1. From sea to Brake.....	2	18
2. “ the First to the Fourth or Cross Buoy.....	2	00
3. “ “ Fourth to the Seventh Buoy, or Mellum.....	1	54
4. “ “ Seventh Buoy to the Bremen Beacon.....	1	42
5. “ “ Bremen Beacon to the Red Buoy.....	1	39
6. “ “ Red Buoy to Bremen.....	1	12
7. “ Bremen to Bremerhafen.....		66
8. “ Bremerhafen to Brake.....		48

In the spring and autumn, from February 16th to April 15th, and from September 16th to November 15th :

	Thlr.	Gr.
1. From sea to Brake.....	2	33
2. “ the First to the Fourth Buoy.....	2	15
3. “ “ Fourth to the Seventh Buoy.....	1	69
4. “ “ Seventh Buoy to the Bremen Beacon.....	1	57
5. “ “ Bremen Beacon to the Red Buoy.....	1	39
6. “ “ Red Buoy to Bremen.....	1	27
7. “ Bremen to Bremerhafen.....	1	09
8. “ Bremerhafen to Brake.....		63
1. “ sea to Brake.....	3	00
2. “ the First to the Fourth Buoy.....	2	48
3. “ “ Fourth to the Seventh Buoy.....	2	24
4. “ “ Seventh Buoy to the Bremen Beacon.....	2	08
5. “ “ Bremen Beacon to the Red Buoy.....	1	56
6. “ “ Red Buoy to Bremen.....	1	40
7. “ Bremen to Bremerhafen.....	1	16
8. “ Bremerhafen to Brake.....		64

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Shipsmiths.—Continued.

McCurdy Alexander.....	East-Gloucester, Mass
Story Everett.....	Essex, "
Voss Adolph.....	East-Gloucester, "
Burns & Morse.....	Fall River, "
Ireland Alfred.....	Gloucester, "
Harvey George.....	" "
Robbinson William & Co.....	" "
Washburn M. P.....	Kingstone, "
Dean Henry.....	New-Bedford, "
Durfee James.....	" "
Dean & Driggs.....	" "
Macy E. B. & F.....	" "
Sawyer John A.....	" "
Snow James M.....	" "
Adams Joseph C.....	Newburyport, "
Kensington J. & J. M.....	" "
Moody Nathan C.....	" "
Herbott W. H.....	Provincetown, "
Snow Atkins D.....	" "
Ward Isaiah G.....	" "
Poole Story D.....	Rockport, "
Nicholas John.....	Salem, "
Bassett Z. & Son, 13 Eastern ave.....	Boston
Bateman H. T. 356 Commercial.....	"
Cole Albert, 273 Border.....	"
Downing & Young, 384 Atlantic ave.....	"
Emery E. O. & Co. 13 Sumner.....	"
FITCH & JOY (see page 118), 377 Commercial.....	"
Hathaway John, 138 Border.....	East-Boston
Hathaway S. 150 Border.....	Boston
Howe Averill & Co. 31 Eastern ave.....	"
Hunter Robert, 28 New.....	East-Boston
Johnson Edward, Marginal.....	"
Keniston J. & J. R. 297 Border.....	Boston
Leman J. G. 395 Atlantic ave and Marginal opp Simpson's dry dock.....	East-Boston
Lewis & Misener, 94 Lewis.....	"
LEWIS & SCOTT, 346 Atlantic ave.....	Boston
Lufkin Nathaniel, 136 Bremen.....	"
Misener Benjamin, 96 Lewis.....	"
Michell William A. 103 Sumner.....	"
Nute James & Son, 79 Sumner.....	"
Richards D. W. 501 Commercial.....	"
Thompson William, 387 Commercial.....	"
Hanscom H. H.....	Fair Haven, Ct.
Burgess, Lake & Co.....	New-London, "
Blackwood James, 442 S. Main.....	Providence, R. I

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

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ASHWORTH & COATES,



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Philadelphia.

Custom House, Chestnut bet S. 4th & S. 5th
 Naval Office,
 Post Office, Chestnut bet 4th & 5th

U. S. NAVY YARD.

S. Front opp Federal

Commandant, Com. J. R. M. Mullany, h Navy Yard
 Executive Officer, Capt. T. C. Harris, h Navy Yard
 Equipment Officer, Lt. Commander William Whitehead, h 109

S. Broad

Ordnance and Navigation Officer, Lt. Commander Silas Casey, jr.
 h 4103 Pine

Medical Inspector, Edward Shippen, h 206 Price, Germantown

Assistant Surgeon, A. M. Owen, h 914 Spruce

Pay Director, H. M. Hieskell, h 58 Tulpehocken, Germantown

Paymaster, Arthur Burtis, Inspector Provisions and Clothing,
 h La Perre House

Chief Engineer, Harman Newell, h Navy Yard

Chief Engineer, A. J. Kierstead, in charge of Stores, h 1327

Spruce

Chief Engineer, W. S. Stamm, Inspector of Machinery Afloat, h

3412 Race, West-Philadelphia

Naval Constructor, Edward Hart, h Navy Yard

Assistant Naval Constructor, R. W. Steele, h 1152 S. 6th

Assistant Civil Engineer, M. T. Endicott, h 3246 Sansom, West

Philadelphia

Chief Clerk to Commandant, W. H. Fussel, h 1640 N. 10th

Second Clerk to Commandant, James Davenport jr. h 614 Reed

U. S. RECEIVING SHIP POTOMAC.

Commander, S. L. Breese, Commanding, Navy Yard

Executive Officer, Lieutenant Charles H. Black, Navy Yard

Lieutenant, William Little, Navy Yard

Surgeon, Joseph Hugg, Navy Yard

Paymaster, W. F. A. Torbert, Navy Yard

Philadelphia Board of Steam Navigation, 16 N. Delaware ave;
 Thomas Clyde pres; Snyder Bartram sec; Taggart Calvin treas

Female Seamen's Friend Society, 422 S. Front; Miss R. C.
 Snowden directress; Mrs Sarah J. Hale cor sec; Miss Theresa Espy
 record sec; Mrs Enoch Turley treas

Pennsylvania Seamen's Friend Society, 422 S. Front. Incorporated 1835.
 Henry D. Sherrerd pres; S. Bonhomme record sec;
 George C. Lancaster treas

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Port Charges, Bremen, Bremerhafen, and Geestemunde.

BREMEN: Expenses of a vessel of 60 lasts (20 tons register), with cargo in and out, drawing 10 feet:

Clearing inward.....	Gr.
Tonnage dues in, \$3 10 gr.; out, \$1 20 gr.....	\$4 00
*Pilotage in, \$20; out, \$20 (summer rates).....	33 50
Town dues, Harbor Master, bridge money, etc.....	2 17
Clearing out.....	4 00
	<hr/> 47 97

Commission, collecting freight, $\frac{1}{2}$ to 1 per cent.

“ procuring “ 1 per cent.

Ballast, 1s. per ton.

* Winter rates of sea pilotage, 50 per cent higher.

PHILADELPHIA TELEGRAPH OFFICES.

American District, 700 Chestnut, 107 S. 3d and 1348 Chestnut

Automatic, 130 S. Front and 310 Chestnut

Commission, 100 Chestnut

Franklin, S. 3d cor Chestnut, Continental Hotel, 441 N. 3d and 300 S. Delaware ave

Pacific and Atlantic, 303 Chestnut, Continental Hotel and 307 Walnut

Pape's Commission Telegraph, 244 N. Broad, 1313 and 1800 Market, N. 24th cor

Brown, 945 Ridge ave, 2300 Hamilton and 524 Green

Philadelphia, Reading & Pottsville, 227 S. 4th, 411 N. 13th, 306 Race, 204 Walnut and 1512 Penna ave

Philadelphia Local, 107 S. 3d, 700 and 1348 Chestnut

Western Union Telegraph Co, S. 3d cor Chestnut, 602 and 1506 Chestnut, Continental Hotel, Colonnade Hotel, 435 and 3915 Market, N. 18th cor Market, 231 N. Broad, 129 Walnut, 132 N. Front, 1022 S. 2d, 2202 Hamilton, 4310 Frankford ave, Frankford, and 4 W. Cheltenham ave, Germantown

NORFOLK, VA.**U. S. Signal Station of Observation.**

E. W. McGann, observer—office, Main cor Atlantic

Harbor Masters.

John M. Gibbs.

Daniel Knowles.

W. H. Kinch.

Harbor fees.....\$1.25 to \$10.

Ballast “83 cents per day.

CHAPTER 93, SECTION 8, PAGE 484, CODE OF VIRGINIA, 1860.

Every commander of a ship or vessel having ballast to unlade shall give notice in writing to some ballast-master of the district of the time when he intends to unlade the same. If any such commander shall land or cast overboard any ballast without having given such notice, or otherwise than according to the directions of a ballast-master, he shall forfeit one hundred and fifty dollars. Ballast-masters shall be entitled to 83 cents per day, or any part thereof, for their attendance.

Port Wardens.

William Phillips.

W. A. Graves.

William Face.

Consul.

Myers Myer (British), 142 Bank

Public Buildings.

Custom House, Main nr Granby.

Post Office, Main nr Granby.

Virginia Pilots' Association.

S. Wood, President, Water cor Campbell's whf

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Shipsmiths.—Continued.

Coleman W. & Son, 103 S. Water.....	Providence, R. I
Whitehead James, 109 S. Water.....	" "
Atkinson Richard, 506 Water.....	New-York
Baker Jacob, 440 E. 10th.....	"
Burns & Godbold, 231 South.....	"
Campbell Hugh, 385 South.....	"
Carr & Smith, 14 Carlisle.....	"
Fay James, 334 West.....	"
Hall Isaac, 124 Broad.....	"
Hall William A. 258 South.....	"
Jackson James L. & Bros. E. 28th, 2d ave & E. 29th.....	"
Jones James O. 385 South.....	"
Jones & Chapman, 255 South.....	"
Knights James, 38 Corlears.....	"
Marino George, 234 South.....	"
Mauert Anthony H. 189 Lewis.....	"
Meyers & Reybert, 101 Market and 387 South.....	"
Mount & Fritzche, 90 Montgomery.....	"
Rennison James C. 38 Dover.....	"
Roberts Robert, 210½ South.....	"
Scott Jeremiah, 18 James slip.....	"
Shaunessy William P. 225 South.....	"
SLEEPER J. FRANK, West bet Bank & 11th.....	"
SNELLING J. & CO. (see page 144) 158 South.....	"
Sutherland Benjamin, 160 Maiden lane.....	"
Varick & Hawkins, 370 West.....	"
Yoe Stephen P. 58 Harrison.....	"
Betts Charles H. 268 Conover.....	Brooklyn, N. Y
Lockhart James, 18 Commercial.....	" "
Kanavan John H. 47 Columbia pl.....	" "
Roberts William, 69 Furman.....	" "
Van Cleaf David, 9 Summit.....	" "
MCCREIGHT, THOMAS & CO. (see advt.) Beach & Norris.....	Philadelphia
WHITECAR JOSEPH (see page 260), 402 & 406 Penn.....	"
Woolman David, 113 Orange.....	Wilmington, Del
Belbin Charles T. Warren cor Covington.....	Baltimore
BIXLER WILLIAM H. H. 3 Covington.....	"
Bowen & Auld, Covington nr Cross.....	"
Chase J. J. & Co. 48 Hanbert L. P.....	"
Cullimore & Townsend, 1 & 3 Fell.....	"
Hergesheimer & Bro. 38 Fell.....	"
Hudgins J. R. 27 Pratt.....	"
Kanne W. H. 59 Boston.....	Canton,
Lawson Henry S. 56 Boston.....	"
McLevin Robert, 38 William.....	"
Ray Alfred, Block cor Point lane.....	"

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Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

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Shipsmiths.—Continued.

Schroeder Andrew F. 46 Philpot.....	Baltimore
Sherwood Philip, 17 Philpot.....	"
Townsend Francis H. Mill below Bowly.....	"
Townsend F. H. & Co. South Side Basin.....	"
Van Ostend William, Carroll's ship yard.....	"
Waite Samuel R. Covington & Montgomery.....	"
Allen Ethan, 152 Water.....	Norfolk
Butt & Hodges 141 Water.....	"
EHNEY & DE VEAUX (see page 392), E. Bay.....	Charleston
Clemence James, River nr Jefferson.....	Savannah
Heagney James, 3 W. Broad.....	"
O'Connor Daniel, Bryan cor W. Broad.....	"

Ship Stores.

Dunton & Greenleaf.....	Bath, Me
McLellan John H.....	" "
Preble & Dunton.....	" "
Snipe S. T.....	" "
Swanton Jameson & Co.....	" "
Allen Isaac W.....	Bangor, "
Hincks & Neally.....	" "
McCarty Turner.....	" "
Swett & Co.....	" "
Mansfield A. P. & Co.....	Belfast, "
Gardner E. B.....	Bucksport, "
Dyer Charles A. & Co. 20 Custom House whf.....	Portland, "
Ingraham C. P.....	" "
Jordan W. S. & Co.....	" "
Jordan & Blake.....	" "
Lewis, Whitten & Co.....	" "
Perley, Russell & Co.....	" "
White Ambrose.....	Bucksport, "
JORDAN W. S. & CO (see page 34), 78 Commercial....	Portland, "
RYAN & KELSEY (see page 26), 161 Commercial.....	" "
Trefethen C. & Co.....	" "
WINSLOW J. S. & CO (see page 26), 3 & 4 Central whf	" "
YEATON & BOYD (see page 52), 83 Commercial.....	" "
Allison & Mason, 1 Russia whf.....	Boston
Atwood James S. & Co. 230 Commercial.....	"
Bakers & Humphrey, 99 Commercial.....	"
Bickford W. D. 336 & 338 Atlantic ave.....	"
Bliss James & Co, 361 Atlantic ave.....	"
CURTIS FRANKLIN, 51 India.....	"
Davis Francis G. 67 Commercial.....	"
Davis & Coker, 204 Commercial.....	"
Dunbar J. H. & Co, 170 Commercial.....	"
Eaton Charles F. 40 Long whf.....	"

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

Rates of Pilotage of Savannah, Ga.

Draft feet.	Bar pilotage and to Cockspur.	From Cockpsur to Savannah.	Total amount.
6	\$12.09	\$7.35	\$19.44
7	13.50	8.10	21.60
8	14.79	8.97	23.76
9	18.26	11.04	29.30
10	20.52	12.42	32.94
11	23.97	14.37	38.34
12	28.95	17.49	46.44
12½	31.97	19.34	51.30
13	35.21	21.23	56.44
13½	38.55	23.28	61.83
14	39.86	23.87	63.73
14½	42.23	25.32	67.55
15	46.01	27.71	73.72
15½	48.60	29.22	77.82
16	51.30	30.78	82.08
16½	54.00	32.46	86.46
17	58.22	34.94	93.16
17½	61.02	36.72	97.74
18	64.05	38.55	102.60
18½	67.17	40.34	107.51
19	71.72	43.04	114.76
19½	74.76	44.99	119.95
20	78.30	46.98	125.28

Detention per day.....\$4 32

DEPTH OF WATER.

At Tybee, 22 feet; to Venus's Point, 18 feet; to city, 16½ feet.

TONNAGE.

300 tons and upward, 20 cts. ton, loaded; 15 cts. ton, light; transporting, \$10 to \$15; under 300 tons, \$40, loaded; \$30, light; transporting, \$8.

Drop to or from Venus's Point.....\$17 28

Drop to or from Tybee to Venus's Point 17 28

Detention per day..... 4 32

Savannah Public Buildings.

Custom House, Bay cor Bull

Post Office, Bay cor Bull

Chamber of Commerce, Bay

Cotton Exchange, Bay

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Ship Stores.—Continued.

FREEMAN JOHN & CO.	232 Commercial	Boston
Heath & Grier,	50 Long whf.	"
Holden H. D.	186 Commercial	"
Jones & Townsend,	17 Central whf.	"
Kitchen Crosby & Co.	213 Commercial	"
Lambert & Hitchcock,	174 Commercial	"
Maloney Thomas & Co.	205 Commercial	"
Mayo T. L. & Co.	113 Commercial	"
Mullett John,	Chelsea cor Henly	Charlestown, "
O'Connor P.	78 South	"
Pendleton J. O. & Co.	48 Long whf.	"
Perry Augustus B. & Co.	232 State	"
Pitcher, Flitner & Co.	200 Commercial	"
Plummer H. N. & E. L.	133 Central	"
Rea J. & Son,	84 Main	Charlestown, "
Richards A. & Co.	235 State	"
Richardson & Folger,	241 Atlantic ave.	"
ROGERS A. C. & Co.	14 Commercial whf.	"
Shattuck M. C.	Atlantic ave cor Long whf.	"
Stearns Charles H. & Co.	410 Commercial	"
Nickerson B. & Son.		Fall River, Mass
Parsons William,	2d & Ct.	East-Gloucester, "
Burnham Alphonso M.		Gloucester, "
Mansfield J. & Sons.		" "
Steele George.		" "
Walen & Allen.		" "
Gibbs L. H.		New-Bedford, "
Clement Isaac C.		Newburyport, "
Reed Benjamin T.		Somerset, "
Norris Howes.		Vineyard Haven, Tisbury, "
Cooper Thomas P.	182 South	New-York
HICKS & BELL,	68 South	"
Lyons M.	34 Front	"
Phillips Patrick,	223 South	"
Simpson & Shaw,	27 Coenties slip	"
SNELLING J. & CO. (see page 144)	158 South	"
Tilton & Co.	34 Harrison	"
BAKER E. & J. (see page 302)	138 N. Delaware ave.	Philadelphia
Bishop E.	18 S. whvs.	"
LAUGHLIN JOHN (see page 272)	18 N. Delaware ave	"
WILLIAMS RICHARD B. (see page 256)	46 & 48 N. Delaware ave	"
JONES JOSEPH, se cor 5th & King.		Wilmington, Del
RUSSELL G. W. (see page 314)	112 W. Front	" "
Bailey E. & Co. (see page 356)	107 Thames	Baltimore
CANNON J. H. (see page 368)	8 Campbell's whf	Norfolk
HARTWELL S. W. (see page 370)	40 Water	"

Baltimore Copper Paint is equal to any in use.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

**J. A. WICKERSHAM & CO.,
Ship Brokers and Commission Merchants,**

106 NORTH WHARVES, PHILADELPHIA.

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RICHARD S. SMITH, President.

CHARLES DAVIS,
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**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Ship Stores.—Continued.

HUBBARD GEORGE S. & CO. (see page 344) Main cor
Mathews.....Norfolk
STELLING E. H. (see page 394) 149 E. Bay.....Charleston

*** Shipping Commissioner.**

YOUNG JOHN H.—United States—(see page 292) 516
S. Delaware ave.....Philadelphia

Shipping and Commission Merchants.

Hopkins & Weeks.....Bangor, Me
Stewart Thomas J.....“ “
Treat Webster.....“ “
Marr John W.....Bath, “
DEERING J. W. (see advt.) Richardson's whf.....Portland, “
Emery & Fox.....“ “
Lewis R. & Co.....“ “
RANDALL J. F. & CO. (see page 46) 26 Commercial “ “
RYAN & KELSEY (see page 26), 161 Commercial... “ “
Southard T. J. & Son.....Richmond, “
WINSLOW J. S. & CO. (see page 26) 3 & 4 Central
whf.....Portland, “
AUSTIN JOSEPH, 57 Fulton.....Boston
BOWDLEAR W. H. (see page 90) 118 Milk.....“ “
Clark George P. & Co. (see page 94) 104 State.....“ “
Crane Samuel D. & Co. 48 State.....“ “
LEWIS & HALL (see page 96), 9 Merchants' row.....“ “
LOMBARD A. C.'S SONS (see page 90), 23 Lewis whf.... “ “
PEABODY HENRY W. & CO. (see page 90) 41 India whf “ “
PERKINS & JOB (see page 94), 91 State.....“ “
Rose H. & Co. 3 India.....“ “
STURGES R. C. (see page 94) 173 State.....“ “
TAYLOR C. L. & CO. (see page 90) 114 State.....“ “
Armstrong L. W. & P.....New-Haven, Ct
Hotchkiss Edward.....“ “
Lawrence & Co.....“ “
Towner T. & Co.....“ “
Trowbridge H. T.'s Sons.....“ “
Adams C. W. 181 Pearl.....New-York
Alexander F. & Sons, 33 Broadway.....“ “
Alsop Joseph W. 48 South.....“ “
Ames John P. 7 South.....“ “
Arango Aurelio, 57 Broadway.....“ “
Arkell, Tufts & Co. 15 S. William.....“ “
Atkins J. & Co. 38 South.....“ “
Baetjer Hermann, 46 Beaver.....“ “
Baiz A. & Co. 32 Broadway.....“ “

New-Bedford Cabooses and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

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KENNEBEC RIVER, MAINE.

STEAM TUGS

EXCURSION BARGE YOSEMITE.

For Towing Vessels, when loaded with Lumber, to Sea from

For Towing Vessels, when loaded with Coal, from Sea to

For Towing **essels, when not loaded, to and from Sea.**

**For towing Vessels when loaded or to be loaded with Ice,
ONE RATE IN AND OUT OF RIVER.**

GARDINER, May 1st, 1872.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

Shipping and Commission Merchants.—Continued.

Baker Frederic, Pier 36, N. R.....	New-York
Bamford Bros. 6 State.....	"
Barre George H. 244 Fulton.....	"
Battelle & Renwick, 163 Front.....	"
Baxter Archibald & Co. 17 Broadway.....	"
Becker H. & Co. 23 S. William.....	"
Begoden Achilles, 12 Old slip.....	"
Benner & Pinckney, 19 Old slip.....	"
Bentley, Gildersleeve & Co. 84 South.....	"
Bishop James & Co. 32 Broadway.....	"
Boag Thomas H. 7 Coenties slip.....	"
Body John E. 1 State.....	"
Bonanno Domenico, 69 Pearl.....	"
Bowring & Archibald, 29 Broadway.....	"
Brayer, Depennevet & Co. 6 S. William.....	"
Brett, Son & Co. 43 South.....	"
Brigham Nicholas H. 96 Wall.....	"
Briggs M. & Co. 90 Wall.....	"
Brookman H. D. & J. U. 37 South.....	"
BROWN GEORGE W. (see outside cover and page 250)	
41 South.....	"
Brown John B. 49 South.....	"
Brown John R. 5 Coenties slip.....	"
Brown H. P. & Co. 5 Coenties slip.....	"
Buck Richard P. & Co. 29 South.....	"
Burdell Charles E. 49 Cedar.....	"
Caldwell William H. 5 Coenties sl.....	"
Calvocoressi & Codocanchi, 67 Wall.....	"
Cameron R. W. & Co. 23 S. William.....	"
Campbell William P. 87 Pearl.....	"
Carlile Nathaniel D. & Son, 4 Cedar.....	"
Carroll P. V. & Co. 7 South.....	"
Carver & Barnes, 30 South.....	"
Ceballos Juan M. 29 Broadway.....	"
Chalmers William, 159 Front.....	"
Clark & Seaman, 86 West.....	"
Comstock C. & Co. 106 Wall.....	"
Cooper Charles, 43 South.....	"
Cotheal & Co. 5 Beaver.....	"
Cousinery F. & Co. 27 S. William.....	"
Covas Stamaty, 53 Beaver.....	"
Crandall E. V. 66 South.....	"
CRANDALL BROS. (see page 198) 24 South.....	"
Crandall, Bertaux & Co. 115 Broad.....	"
Crowell Elisha & Co. 39 Water.....	"
Currie Richard P. & Co. 7 State.....	"
Daie John G. 15 Broadway.....	"

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Shipping and Commission Merchants.—Continued.

Dallett, Bliss & Co. 135 Pearl.....	New-York
Darrell & Co. 83 Pearl.....	"
Davidis Richard, 23 William.....	"
Davis Bros. 30 S. William.....	"
Davison Edward F. & Co. 128 Pearl.....	"
Degener R. & C. 11 S. William.....	"
Delima Daniel A. 23 William.....	"
Demier Juan C. 71 William.....	"
Demill & Co. 6 Fletcher.....	"
Dovale & Co. 26 South.....	"
Dowley, Corners & Co. 42 Pine.....	"
Drummond R. H. & Co. 94 Wall.....	"
Duane John, 17 Cedar.....	"
Duckworth N. & Son 154 Chambers.....	"
Dunham Thomas's Nephews & Co. 68 South.....	"
Dunn John, 17 Cedar.....	"
Durand C. 159 Maiden lane.....	"
Easton & McDonald, 2 Coenties slip.....	"
Elwell James W. & Co. 57 South.....	"
Emerson Edward, 30 Water.....	"
Evans, Ball & Co. 36 South.....	"
Evans, Sherwood & Co. 122 Pearl.....	"
Favill Josiah M. 140 Broad.....	"
FERGUSON & WOOD (see page D, front fly-leaves), 46 South.....	"
Ferrer & Co. 31 Broadway.....	"
FISHER & CO. Water cor Coenties slip.....	"
Fiske J. M. & Co. 17 South.....	"
Fowler J. & G. 10 Burling slip.....	"
Fowler Bros. 72 Broad.....	"
Freeman William K. 86 South.....	"
Frost William T. 68 South.....	"
Frye Jed & Co. 47 Water.....	"
Gandy Sheppard & Co. 60 Wall.....	"
Gibson Edmund T. H. 19 Broad.....	"
Giffing John C. 30 South.....	"
Gomez & Monjo, 12 Broadway.....	"
GRACE W. R. & CO. (see page 198) 66 Pine.....	"
Grinnell, Minturn & Co. 78 South.....	"
Guillaume Charles L. & Co. 14 Broadway.....	"
Harbeck & Co. 81 Beaver.....	"
Hargous & Co. 33 South.....	"
Hatton, Watson & Co. 27 South.....	"
Hausmann Gottlob, 10 Old slip.....	"
Haviland James V. 7 Coenties slip.....	"
Hentz H. & Co. 5 Hanover.....	"
Herold Emil, 16 S. William.....	"

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Shipping and Commission Merchants.—Continued.

Hewitt William H. 3 Bowling Green.....	New-York
Hicks & Tabing, 28 S. William.....	"
Hoadley, Eno & Co. 75 William.....	"
Horsey Josiah A. 68 Beaver.....	"
Howe David Sommers, 158 Pearl.....	"
Howe N. F. 27 Pearl.....	"
Howes Benjamin F. 117 Broad.....	"
Howland & Aspinwall, 54 South.....	"
Howland & Frothingham, 106 Wall.....	"
Hughes William H. T. 174 Pearl.....	"
Hunter Marcus & Co. 42 South.....	"
Hurlbut E. D. & Co. 85 South.....	"
Ingraham John S. & Co. 23 South.....	"
Jackson H. W. & Co. 40 South.....	"
James M. F. & Co. 105 Broad.....	"
Jewett James C. 27 William.....	"
Keane & Co. 132 Front.....	"
Kearney Edward, 139 Front.....	"
Keeler J. M. & C. 95 Liberty.....	"
Kinne, Ross & Co. 28 Beaver.....	"
Kissam George F. 139 Front.....	"
Kittle & Co. 88 Wall.....	"
Knoepfel William H. 16 Cedar.....	"
Knox G. & J. & Co. 67 Exchange pl.....	"
Koop Herman & Co. 6 Hanover.....	"
Kunhardt & Co. 61 Broad.....	"
Lavarello Nicolo, Mina & Co. 8 S. William.....	"
Lewis S. W. & Co. 24 South.....	"
Lowden Robert, 93 West.....	"
Ludmann C. & Co. 4 S. William.....	"
LUNT BROS. 28 South.....	"
Lynch Camille & Co. 81 Beaver.....	"
McColl Duncan, 52 Exchange pl.....	"
McMahan M. V. 78 Wall.....	"
McPherson Duncan, 31 Broadway.....	"
Mackensie George, 58 Broadway.....	"
Mailler & Quereau, 108 Wall.....	"
Mallory C. H. & Co. 153 Maiden lane.....	"
Manara Theodore, 69 Pearl.....	"
Marcial & Co. 40 Broadway.....	"
Markoe Hartman, 17 S. William.....	"
Marquez Francis, 12 Old slip.....	"
Marshall Charles H. & Co. 38 Burling slip.....	"
Masters Joseph W. 39 Nassau.....	"
Merian Alfred & Co. 54 Exchange pl.....	"
Merrill Theodore C. 32 South.....	"
Michelena Santiago, 24 South.....	"

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

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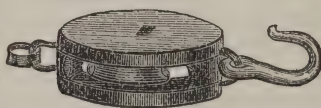
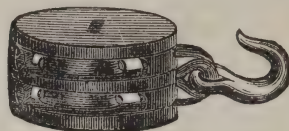
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120 NORTH WHARVES, ABOVE ARCH ST.

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Coppersmiths and Plumbers,


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STEAMBOAT AND SHIP PLUMBING,

AND MANUFACTURERS OF

Copper Work for Steamboats, Sugar Houses, etc., etc.

IRON PIPE WORK FOR GAS, STEAM, AND WATER.

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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Shipping and Commission Merchants.—Continued.

Miller & Houghton, 32 South.....	New-York
Mitchell & Stickney, 40 South.....	"
Moller A. & Co. 49 Cedar.....	"
Montgomery Bros. 12 Bridge.....	"
Montell F. T. & Bartow, 54 Pine.....	"
Moore Berkeley W. 133 Front.....	"
Moran Francis, 84 South.....	"
Morgan E. D. & Co. 54 Exchange pl.....	"
Morgan E. E.'s Sons, 70 South.....	"
Morrell & Mason, 40 Broadway.....	"
Moss Henry, 32 South.....	"
Mowe, Cole & Benson, 140 Water.....	"
Muller & Kruger, 24 Exchange pl.....	"
Murray Robert jr. 132 Front.....	"
Murray, Ferris & Co. 62 South.....	"
Murtagh William, 9 Coenties slip.....	"
Nelson William jr. 24 Old slip.....	"
Nesmith & Sons, 28 South.....	"
Norton John jr. & Son, 90 Wall.....	"
Oelrichs & Co. 2 Bowling Green.....	"
Onativia J. V. & Co. 47 South.....	"
Outerbridge Augustus Emilius, 69 Pearl.....	"
Overton & Hawkins, 163 Maiden lane.....	"
Owen & Co. 106 Wall.....	"
Pauli John A. 30 S. William.....	"
Pendergast & Co. 83 Beaver.....	"
Peniston George F. 17 South.....	"
Perez M. & Obarrio, 59 Liberty.....	"
PERKINS & JOB (see page 198), 27 South.....	"
Persuhn Charles P. 32 Broadway.....	"
Philips F. B. & Sons, Pier 13 E. R. and 56 South.....	"
Pim, Forward & Co. 56 Wall.....	"
Pomares, Morrill & Cushman, 38 Broadway.....	"
Ponvert & Co. 45 South.....	"
Powell Elzey S. 151 Front.....	"
Pray & Dickens, 107 South.....	"
Probst Frederick & Co. 61 Broad.....	"
Puig E. & Co. 40 Broadway.....	"
Rackett & Bro. 114 Wall.....	"
Rammelsberg Charles & Co. 40 Broadway.....	"
Ray Warren, 120 Wall.....	"
Requa J. M. & Co. 23 South.....	"
Revira J. de & Co. 114 Pearl.....	"
Reynal & Co. 42 Pine.....	"
Ribon & Munoz, 52 Pine.....	"
Richardson Frederick C. & Co. 97 Pearl.....	"
Ross, Dempster & Co. 54 Broad.....	"

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

**Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.**

Shipping and Commission Merchants.—Continued.

Rowe Edwin & Co. 40 Burling slip.....	New-York
Sale William A. & Co. 111 Pearl.....	"
Sazerac Jules & Co. 42 Pine.....	"
Scheffler & Berthold, 10 Old slip.....	"
Schmid C. Mattmann & Co. 82 Water.....	"
Scott Thomas, 17 S. William.....	"
Scott & Tams, 53 Exchange pl.....	"
Seymour Henry, 29 Moore.....	"
Sgobel & Day, 19 Old slip.....	"
Simmonds & Gildemeister, 53 Beaver.....	"
Simpson, Clapp & Co. 118 Wall.....	"
Smith George M. 108 Wall.....	"
Smith James A. 17 Cedar.....	"
Smyth William B. 54 Pine.....	"
Snow & Burgess, 66 South.....	"
Snow & Richardson, 23 South.....	"
Sola Bros. 31 Broadway.....	"
Solomon A. H. & Co. 76 Broad.....	"
Spence, Montague & Co. 47 South.....	"
Spies Francis & Co. 66 South.....	"
Spofford Bros. & Co. 29 Broadway.....	"
Stackpole Ellis M. 181 Pearl.....	"
Steinkopff Theodore & Co. 40 Broadway.....	"
Stevenson James E. 93 Liberty.....	"
Strout Bros. 13 Broadway.....	"
Sturges, Clearman & Co. 110 Wall.....	"
Suau Henry A. & Son, 18 S. William.....	"
Sutton George D. 121 Front and Pier 12, E. R.....	"
Taylor F. B. & Co. 113 Maiden lane.....	"
Thompson Samuel's Nephew & Co. 126 & 128 Duane cor Church.....	"
Thomson David, 215 Water.....	"
Toel, Rose & Co. 17 S. William.....	"
Trippett John & Bro. 37 Nassau.....	"
Tucker & Lightbourn, 25 South.....	"
Tupper & Beattie, 114 Wall.....	"
Turner S. B. 53 Beaver.....	"
Vanbokkelen Charles A. 29 Front.....	"
Vanrossum John P. jr. 43 New.....	"
Vatable H. A. & Son, 66 Beaver.....	"
Vietor Theodore's Sons, 93 Pearl.....	"
Ward James E. & Co. 113 Wall.....	"
Ward Josiah O. 49 South.....	"
Ware William & Sons, 2 Broadway.....	"
Ware E. R. & Co. 26½ Broadway.....	"
Warren & Co. 113 Water.....	"
Welch, Holme & Clark, 381 West.....	"

Shipping and Commission Merchants.—Continued.

WENBERG BENJAMIN J. (see page 198) 21 Old slip..New-York	
Whitlock William jr. 46 South	"
Whitmore & Co. 32 South	"
Williams & Guion, 63 Wall and 29 Broadway	"
Wilson Allston, 52 Front	"
Wilson Charles A. & Bro. 119 Chambers	"
Wilson William S. 72 Pine	"
Wilson J. W. & Co. 26 S. William	"
Wilson & Asmus, 52 Front, agts for superphosphate trade "W. &c." mark	"
Winchester J. H. & Co. 51 South	"
Woodhouse & Rudd, 147 Maiden lane	"
Woodside David, 164 South	"
Yates & Porterfield, 115 Wall	"
Youngs & Co. 41 South	"
Youngs, Smith & Co. 78 South	"
ZITTLSEN JOHN (see page 210), 3 William	"
BROCKIE WILLIAM (see page 288), 101 Walnut. Philadelphia	"
COOPER DAVID (see page 292), 138 N. Delaware ave..	"
GREGG H. L. & CO. (see page 288) 108 Walnut	"
Lathbury, Stearly & Co. 121 Walnut	"
Lennox & Burgess, 310 S. Delaware ave	"
SONDER & ADAMS, 112 Walnut	"
WARREN CHAS. A. (see page 288) 424 S. Delaware ave	"
WICKERSHAM J. A. & CO (see page 314), 106 North whvs.	"
ANDREWS & CO. (see page 332) 73 Smith's whf. Baltimore	
Applegarth Wm. & Son, 37 W. Pratt	"
Beers & Sears (see page 336), 44 W. Pratt	"
Bigelow E. D. & Co. (see page 342) 66 S. Gay	"
DÉ MEROLLA E. & CO. (see page 342) 33 S. Gay	"
Easton & McMahon, 45 W. Pratt	"
Fisher Bros & Co. 25 S. Gay	"
Foard Jos. O. & Co. 6 S. Gay	"
FREEMAN F. L. & Co. (see page 336) 50½ W. Pratt	"
Geyer & Wilkens (tobacco), 122 Lombard	"
Gorter G. O. (tobacco) 3 Howell Building, Camden	"
HARDING P. & Co. (see page 342) 50½ Pratt	"
HAYS R. C. (see page 338) 70 Smith's whf.	"
HATCH, LOUD & Co. (see page 338) 50½ Pratt	"
Hodges B. M. jr. & Co. sw cor Gay & Lombard	"
Howell Wm. & Son, 60 S. Gay	"
Jenkins Hugh & Co. 18 2d	"
Joyce & Johns, 85 Smith's whf	"
Knox James & Co. 21 South	"
Loose C. & Co. (tobacco), 117 W. Lombard	"
Loney Thos. D. & Co. 4 S. Holliday	"

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits.

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Chesapeake Marine Railway

AND

DRY DOCK COMPANY.

SHIP CARPENTERING,

CAULKING AND SPAR MAKING.

YARD:

Foot of Philpot St.,

BALTIMORE, MD.

ALL WORK WARRANTED.

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Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

New Rates of Towage,

ADOPTED JULY 7, 1874, BY THE

TOW-BOAT OWNERS' ASSOCIATION, OF BALTIMORE.

SUPPLEMENT TO RATES OF TOWING STEAMERS, ETC.

TONNAGE OF VESSELS.		Two Boats.	Spring Gardens, on Vessels.
Winding side-wheel steamer under steam....	\$3.00		1 to 70..... \$6.00
PROPELLERS.			70 to 150..... 8.00
200 to 400	3.00		150 to 250..... 10.00
400 to 700	4.00	\$6.00	250 to 350..... 12.00
700 to 1500	5.00	7.50	350 to 450..... 14.00
1500 and upward.....	10.00	15.00	
TOWING SIDE-WHEEL STEAMERS.			
200 to 400	5.00	7.50	
400 to 600	6.00	9.00	
600 to 800	7.00	10.50	
800 to 1000	8.00	12.00	
1000 to 1200	10.00	15.00	
1200 to 1400	11.00	15.50	
PROPELLERS.			
200 to 400	5.00	7.50	
400 to 600	8.00	12.00	
600 to 900	9.00	12.50	
900 to 1500	10.00	15.00	
1500 to 2000	15.00	21.00	
2000 and upward.....	20.00	30.00	
DOUBLE-DECKED BARGES.			
150 to 300	3.00		
300 and upward	4.00		
B. and O. R. R. barges.....	5.00		
Pile-drivers	2.00		

Vessels arriving and departing in ballast, from 250 to 750 tons, 20 per cent deduction in river towing. Vessels under 15 tons, captains to make bargains for towing.

**RATES OF TOWAGE AND DOCKING VESSELS IN CLEAR WATER INSIDE FORT
McHENRY AND QUARANTINE, OIL WHARF, SPRING GARDENS.**

TONNAGE OF VESSELS.		Two Boats.	Quarantine.	Oil Wharf.
1 to 70.....	\$2.00	\$3.00	\$3.00	\$3.00
70 to 150.....	3.00	4.00	4.00	4.00
150 to 250.....	4.00	6.00	5.00	6.00
250 to 350.....	5.00	7.00	6.00	8.00
350 to 450.....	6.00	9.00	7.00	9.00
450 to 550.....	7.00	10.00	8.00	10.00
550 to 650.....	8.00	12.00	9.00	11.00
650 to 750.....	9.00	13.00	10.00	12.00
750 to 850.....	10.00	15.00	11.00	13.00
850 to 950.....	11.00	16.00	12.00	14.00
950 to 1050.....	12.00	18.00	13.00	15.00
1050 to 1150.....	13.00	19.00	14.00	16.00
1150 to 1250.....	14.00	21.00	15.00	17.00
1250 to 1350.....	15.00	22.00	16.00	18.00
1350 to 1450.....	16.00	24.00	17.00	19.00
And upward.....	18.00	25.00	18.00	20.00
Barges.....	2.00			
Scows.....	1.50			
Rafts.....	2.00			
Winding side-wheel steamer.....	4.00			
Propellers.....	5.00			
			Spring Gardens.	
		\$6.00	Barges laden.....	\$6.00
		8.00	light.....	5.00
		10.00	Scows.....	5.00
		12.00	Rafts.....	6.00
		14.00		

Baltimore Copper Paint is perfectly pure.

**Tarr & Wonson's Patent Copper Paints. John C.
Giffing, Agent, 31 South St., New-York.**

PORT CHARGES OF BALTIMORE.*(No Special Port Charges.)*

Under 100 tons.....	\$0 75	per day.
100 to 200 ".....	1 00	"
200 to 400 ".....	1 25	"
400 to 600 ".....	1 50	"
600 to 800 ".....	1 75	"
Over 800 tons.....	2 00	"
Side-wheel steamers under 300 tons....	3 00	"
" " over " ".....	5 00	"
Wharfage on Ballast.....	0 15	

RATES OF PILOTAGE

FOR THE

BARS AND HARBORS OF PORT ROYAL AND ST. HELENA.

For 6 feet or under....	\$18 00	For 16 feet or under....	\$79 75
" 7 " ".....	21 00	" 16½ " ".....	85 00
" 8 " ".....	24 00	" 17 " ".....	91 25
" 9 " ".....	27 00	" 17½ " ".....	100 25
" 10 " ".....	30 00	" 18 " ".....	107 50
" 11 " ".....	34 00	" 18½ " ".....	115 00
" 12 " ".....	38 50	" 19 " ".....	126 00
" 12½ " ".....	42 25	" 19½ " ".....	135 00
" 13 " ".....	48 50	" 20 " ".....	150 00
" 13½ " ".....	53 00	" 20½ " ".....	162 00
" 14 " ".....	60 00	" 21 " ".....	180 00
" 14½ " ".....	65 25	" 21½ " ".....	195 00
" 15 " ".....	70 00	" 22 " ".....	210 00
" 15½ " ".....	74 25		

The above rates have been established by the Commissioners of Pilotage for Beaufort County.

U. S. Shipping Commissioners at Baltimore.

Edwin A. Abbott, U. S. Shipping Commissioner
 William T. Price, Deputy U. S. Shipping Commissioner
 Andrew J. Bandel, Chief Clerk and Cashier
 Levin Colbert, Officer

Pilots' Association.

Maryland Pilot Association, 83 Thames.....Baltimore

Marine Observatory.

Dudley M. L. & Co. Federal Hill.....Baltimore

River and Harbor Relief Board, 58 Exchange pl.....Baltimore

Shipping and Commission Merchants.—Continued.

Matthews T. R. & Sons, 18 Bowly's whf.....	Baltimore
Meredith, Gilmor & Co. cor Gay & 2d.....	"
Pendergast Bros. & Co. New Exchange Building.....	"
Perot W. H. ne cor Gay & 2d.....	"
RHOADS W. & Son (see page 338), se cor Smith's whf & Pratt.....	"
Rollins Thornton, New Exchange Building (room 4).....	"
Schlens G. A. & Co. (tobacco) se cor German & Calvert....	"
Schumacher A. & Co. 9 S. Charles.....	"
Tate, Müller & Co. 52 S. Gay.....	"
Taylor Joseph James, W. Fall ave.....	"
VESPER O. M. & Co. (see page 336, also margin lines) 59 S. Gay.....	"
NEWMAN & CO. (see page 360) 8 Campbell's whf.....	Norfolk
REYNOLDS BROS. & CO.....	Town Point, "
Barnwell Arthur & Co. 13 N. Atlantic.....	Charleston
Bardwin Parker & Co. Accommodation whf.....	"
Bee William C. & Co. 14 Adger's N. whf.....	"
Blake Julius A. 46 E. Bay.....	"
Boag T. G. cor Exchange & S. Atlantic whf.....	"
Boyd Bernard, 193 E. Bay.....	"
Bocot R. Dewar, 17 Boyce's whf.....	"
Budd Thomas S. 15 Boyce's whf.....	"
Bulwinkle H. Kerr's whf.....	"
Butter R. M. & Son, 46 E. Bay.....	"
Callwell A. P. 8 Gillon.....	"
Campen John & Co. 12 & 14 Market.....	"
CARD HENRY (see page 386), S. Atlantic whf.....	"
Carter T. M. 22 Vendue range.....	"
Canale Angelo, 169 E. Bay.....	"
Cantwell James, 7 Cordes.....	"
Chapman James, 5 Broad.....	"
Chisholm H. L. Adger's N. whf.....	"
Colecock Thomas H. 3 Southern whf.....	"
Conwar & Son, 693 King.....	"
Courtenay William H. 96 E. Bay.....	"
Courtney William E. & Co. 3 Boyce's whf.....	"
CREIGHTON ALFRED J. (see page 386), N. Atlantic whf.....	"
Dargan L. O. 6 Central whf.....	"
De Saussure Louis D. 23 Broad.....	"
Drake Miles & Son, 138 Meeting.....	"
Ducker C. G. 24 Vendue range.....	"
Enslow J. A. & Co. 141 E. Bay.....	"
Follin G. & Sons, 173 E. Bay.....	"
Fraser & Dill, Adger's N. whf.....	"
Gerdts H. & Co. 195 E. Bay.....	"
Gourdin, Matthiessen & Co. Adger's N. whf.....	"

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

TRAVELING BAGS.

TRUNKS.

J. BECK,

Manufacturer and Dealer in

EVERY VARIETY OF IMPORTED AND DOMESTIC

Traveling Bags,

Trunks and Valises.

UMBRELLAS,

OF ENGLISH AND AMERICAN MAKE,

Silk and Alpaca.

FANCY AND RUSTIC WALKING CANES,

IN EVERY VARIETY.

No. 147 West Baltimore Street,

CARROLL HALL,

BALTIMORE, MD.

UMBRELLAS.

CANES.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Port Charges of Brunswick, Ga., and St. Illa River.

Harbor fees, wharfage, and taxes.....	None
Towage.....	\$40 to \$75
Stevedoring.....	Loading lumber, 40 cents to 60 cents per 1000
Labor.....	\$1.50

Rates of Pilotage for St. Simon's Bar and Turtle River.

(Foreign vessels, not exempt by treaty with United States, 50 per cent additional.)

Feet.	Bar.	River.	Total.
6	\$12 00	\$6 00	\$18 00
7	13 50	6 75	20 25
8	15 00	7 50	22 50
9	18 00	9 00	27 00
10	20 00	10 00	30 00
11	24 00	12 00	36 00
12	29 00	14 50	43 50
13	35 00	17 50	52 50
14	40 00	20 00	60 00
15	46 00	23 00	69 00
15½	48 00	24 00	72 00
16	51 00	25 50	76 50
16½	54 00	27 00	81 00
17	58 00	29 00	87 00
17½	61 00	30 50	91 50
18	64 00	32 00	96 00
18½	67 00	33 50	100 50
19	72 00	36 00	108 00
19½	75 00	37 50	112 50
20	78 00	39 00	117 00
20½	82 00	41 00	123 00
21	86 00	43 00	129 00
21½	90 00	45 00	135 00
22	95 00	47 50	142 50
22½	110 00	55 00	165 00
23	130 00	65 00	195 00

Drops—From one point to another in front of the city, \$6; from opposite the city to Dennis's Folly, \$6.

Detention, per day, \$4.

Depth of Water—At bar, 21 feet 6 inches; at upper wharves, 15 feet; at lower wharves, 21 feet.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Shipping and Commission Merchants.—Continued.

Green R. M. 5 S. Atlantic whf.....	Charleston
Hall W. P. Brown's whf.....	"
Heyward A. H. 2 N. Atlantic whf.....	"
Homes & Durham, Accommodation whf.....	"
Howard S. L. & Co. 13 Boyce's whf.....	"
Hubert C. N. & Co. 67 E. Bay.....	"
JENNINGS D. & SON (see page 388).....	"
Jones William H. & Co. 76 E. Bay.....	"
Kelly W. A. 2 N. Atlantic whf.....	"
Kenyon W. A. 689 King.....	"
King G. W. 8 Gillion.....	"
Kinsman & Howell, 128 E. Bay.....	"
Knoblock & Small, 177 E. Bay.....	"
Lafitte E. & Co. Adger's N. whf.....	"
Larousseliere & Schwing, 114 E. Bay.....	"
Laurey Henry Z. 86 E. Bay.....	"
Lawton W. M. & Son, 3 & 4 Boyce's whf.....	"
Lee Hutson, 30 Broad.....	"
Leitch W. Y. 35 Broad.....	"
Lesesne & Wells, 10 Broad.....	"
Macqueen Peter, 25 Vendue range.....	"
McCutchen Thomas J. & Co. 2 Central whf.....	"
McInnis & Co. 90 E. Bay.....	"
McKay William, 147 Meeting.....	"
McPherson D. cor S. Commercial whf & E. Bay.....	"
Milnor J. G. & Co. 135 Meeting.....	"
Mottet, Huchet & Co. Adger's N. whf.....	"
Murray A. H. & Co. 610 King.....	"
MURE ROBERT & CO. (see page 386) Central whf.....	"
Murdaugh & Weekley, 4 S. Atlantic.....	"
Nimitz Adolph, 209 E. Bay.....	"
Nisbet Douglas, S. Atlantic whf.....	"
Norwood & Coker, Accommodation whf.....	"
O'Neill Bernard, 198 E. Bay.....	"
O'Neill John F. 167 E. Bay.....	"
Pinckney Bros. N. Atlantic whf.....	"
Pringle J. R. & Co. Adger's N. whf.....	"
Ravenel & Co. cor Vanderhorst whf & E. Bay.....	"
Riecke & Petermann, 21 & 22 Vendue range.....	"
Roach & Moffett, Adger's S. whf.....	"
Robert, Mure & Co. Central whf.....	"
Robson J. N. 68 E. Bay.....	"
Roper Richard & Son, Vanhorst whf.....	"
Ryan W. K. 2 Exchange Building.....	"
Sally & Simmons, w end Broad.....	"
Shackelford M. W. 5 Southern whf.....	"
Smith T. P. & McI. 67 Boyce's whf.....	"

New-Bedford Cabooes and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

ANDREWS & CO., SHIP BROKERS,

Commission Merchants and Steamship Agents,
73 SMITH'S WHARF,
BALTIMORE.



For Newbern and Washington, N. C.
ONLY DIRECT LINE.

FREIGHT RECEIVED DAILY.

Composed of the Steamships:

JAMES A. GARY.....	Captain H. L. Hall.
T. J. COCHRAN.....	Captain W. T. Pritchett.
TUCKAHOE.....	Captain T. A. Brown.

Through Bills Lading issued to all points on the Atlantic and North-Carolina and North-Carolina Railroads. For Rates and Freight engagements, apply to

ANDREWS & CO., General Agents,
73 SMITH'S WHARF.

FOR CHARLESTON, S. C.

THE STEAMSHIP

CALVERT,

Capt. R. F. FOLEY, Commander.

Through Rates guaranteed to all points in South-Carolina and the South-West.
Fine Accommodations for Passengers.
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ANDREWS & CO., General Agents,

73 SMITH'S WHARF.
A. TOBIAS' SONS, Agents at Charleston, S. C.

FOR SAVANNAH, GA.

EVERY FIVE DAYS.

Baltimore and Savannah Steamship Company.

Composed of First-Class Steamships:

SARAGOSSA.....	Captain T. A. Hooper.
AMERICA.....	Captain G. W. Billups.

THROUGH BILLS LADING and THROUGH PASSAGE TICKETS given to Augusta, Macon, Atlanta, Columbus, Eufaula, Montgomery, Griffin, and all points on Macon and Western Railroad, and to all points in GEORGIA, ALABAMA, AND FLORIDA, by Georgia Central and Atlantic and Gulf Railroad, at rates as low as by any other route.

For Freight or Passage, having superior accommodations, apply to

JAMES B. ANDREWS, Agent, 73 Smith's Wharf, or Union Dock.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Consuls and Vice-Consuls at Baltimore.

Great Britain—Denis Donohoe, office over Exchange Reading Rooms
 France—Count de Montcabrier, 54 Franklin
 Spain—C. D. de Rafart, Vice-Consul
 German Empire—W. Dresel, 37 S. Gay
 Belgium—G. O. Gorter, 3 Howell Block cor Camden & Sharp
 Russia—C. Nitze, Acting Vice-Consul, office 7 South
 Italy—E. de Merolla, 57 Exchange pl
 Netherlands—Claas Vocke, 100 S. Charles
 Sweden and Norway—J. Alex. Solberg, 61 S. Gay
 Denmark—W. Erichson, Vice-Consul
 Oriental Republic of Uruguay—P. De Murguiondo; C. Morton Stewart, Acting Consul, 52 S. Gay

Argentine Republic—C. Morton Stewart, 52 S. Gay
 Brazil and Nicaragua—C. Oliver O'Donnell, 52 S. Gay
 Portugal—Robert Lehr, over 29 S. Charles
 Chili—Washington Booth, Acting Consul, 6 S. Gay
 Peru—Frederick F. Raborg, 352 E. Monument
 Austria—J. D. Kremelberg, 56 S. Gay
 Ecuador—Richard D. Fisher, 25 S. Gay
 Agents for the Underwriters at Bremen—F. W. Brune & Sons, 89 & 91 Smith's whf
 Agent for the British, French, German, and New-York Underwriters—James Carey Coale, 56 Exchange pl

Baltimore.

Board of Trade—Office, New Exchange Building
 Corn and Flour Exchange, cor South & Wood
 Post Office, Exchange Building
 Inspectors of Steamboats—Office, 2d story Custom House
 Merchants' Exchange and News Rooms, Exchange pl & 2d
 Custom House, cor Lombard & Gay
 United States Treasury, cor Gay & Lombard

Harbor Masters.

First District—John Black, office Broadway nr Thames
 Second District—Captain Costigan, office Dugan's whf
 Third District—William F. Plummer, office Bowldy's whf
 Fourth District—Moses Grice, office nr Pratt
 Fifth District—James Donnelly, office Block cor Draw-bridge

Port Warden.

Captain Daniel Constantine, office City Yard

Table of Distances.

Distance from New-York, as the crow flies, to important cities.

From New-York to—		St. Louis, Mo.	1090 miles.
Newark, N. J.	9 miles.	Milwaukee, Wis.	1100 "
Boston, Mass.	236 "	Detroit, Mich.	679 "
Philadelphia, Pa.	87 "	Little Rock, Ark.	1400 "
Baltimore, Md.	184 "	Omaha, Neb.	1560 "
Washington, D. C.	224 "	St. Paul, Minn.	1450 "
Richmond, Va.	254 "	Denver City, Col.	1980 "
Raleigh, N. C.	510 "	Salt Lake City, U. T.	2400 "
Charleston, S. C.	764 "	San Francisco, Cal.	3206 "
Savannah, Ga.	854 "	Albany, N. Y.	148 "
Atlanta, Ga.	1000 "	Saratoga Springs, N. Y.	183 "
Montgomery, Ala.	1220 "	Burlington, Vt.	301 "
Mobile, Ala.	1352 "	Buffalo, N. Y.	469 "
New-Orleans, La.	1596 "	Rochester, N. Y.	401 "
Galveston, Tex.	1700 "	Newburgh, N. Y.	53 "
Memphis, Tenn.	1200 "	New-Haven, Ct.	76 "
Nashville, Tenn.	1019 "	Providence, R. I.	183 "
Louisville, Ky.	845 "	Newport, R. I.	160 "
Cincinnati, O.	744 "	Portland, Me.	344 "
Cleveland, O.	588 "	Hartford, Ct.	113 "
Indianapolis, Ind.	898 "	Pittsburg, Pa.	431 "
Chicago, Ill.	1008 "	Harrisburg, Pa.	182 "

Baltimore Copper Paint is unsurpassed.

Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.

AN ACT

TO REORGANIZE

THE WARDENS' OFFICE
OF THE PORT OF NEW-YORK,

PASSED APRIL 14, 1857.

1875.

The People of the State of New-York, represented in Senate and Assembly, do enact as follows :

SECTION 1. There shall be, and hereby is established, a Board of Wardens for the Port of New-York, which shall be called and known by the name and title of "The Port Wardens of the Port of New-York," and shall be composed of nine members (one of whom shall be a resident of the City of Brooklyn), three of whom shall be nautical men, who shall be nominated by and with the advice and consent of the Senate, appointed by the Governor, and they shall annually elect one of their number President, and another Vice-President; and the said Board of Wardens, first appointed under this act, shall be divided into three classes of three Wardens each. The term of office of the first class shall expire at the end of one year; the second class at the end of two years; and the third class at the end of three years. All subsequent appointments shall be for the term of three years, except that any vacancy shall be filled for the residue of the unexpired term. Said Wardens shall hold their offices until their successors shall be appointed and duly qualified.

Any Warden may be removed for misconduct or neglect of duty at the discretion of the Governor; and any Warden neglecting or refusing to perform the duties of his office, or violating the regulations of the Board, after due notice from the Board, shall be liable to suspension by the vote of a majority of the whole Board, and during such suspension said Warden shall not be entitled to participate in the pay and emoluments of said office, unless reinstated by the Governor, by, and before whom an appeal shall be heard and decided.

SECTION 2. The said Board shall have power to appoint a Secretary and fix his compensation, who shall hold his office during the pleasure of the Board, said compensation to be paid out of the receipts of the office. It shall be the duty of the Secretary to keep in such books as shall be provided for the purpose, a full, true, and complete record of all their acts, proceedings, surveys, and reports, and such books shall be open to the public inspection of any person interested therein; and the said Board of Wardens shall have and use a common seal; and each Warden shall have full power and authority to administer oaths, examine witnesses, and take affidavits concerning the business of said office, and all willful false swearing under such oaths shall be deemed perjury and punished accordingly; and the said Board shall also have full power to make such rules and regulations for their own government and the discharge of their duties under this act as they may deem necessary and proper. They shall keep an office in the City of New-York, at which office a majority of them and their Secretary shall give attendance daily (Sundays and public holidays excepted), and shall have the exclusive right to perform all the duties of Port Wardens for the Port of New-York, specified in this Act.

SECTION 3. It shall be the duty of said Board, or some one of them, on being notified and requested by any of the parties in interest, to proceed in person on board of any vessel for the purpose of examining the condition and stowage of cargo, and if there be any goods damaged on board said vessel, they shall inquire, examine, and ascertain the cause or causes of such damage, and make a memorandum thereof, and enter the same in full upon the books of the office; and if, after the arrival in port of any vessel, the hatches shall be first opened by any person not a Port Warden, and the cargo, or any part thereof, shall come from on shipboard in a damaged condition, these facts shall be presumptive evidence that such damage occurred in consequence of improper stowage or negligence on the part of the persons in charge of the vessel, and such default shall be chargeable to the owner, consignee, master, or other person in interest (as part owner or master of said vessel), each and all of whom shall be primarily liable for such damage, and the said Board shall be exclusive surveyors of any vessel which may have suffered wreck or damage, or which shall be deemed unfit to proceed to sea, and shall examine the condition of the hull, spars, sails, rigging, and all appurtenances thereof, and they shall call to their assistance one or more carpenters, sailmakers, riggers, shipwrights, or other person skilled in his profession, to aid them in their examination and survey, provided such person shall not be interested therein, and all parties so called shall be sworn, and shall each be allowed a fee of two dollars, to be paid by the person requiring said examination. The said Wardens shall specify what damage has occurred, and record in the books of said office a full and particular account of all surveys held on said vessel. They shall also be the judges of the repairs necessary to render said vessel again seaworthy, or for the safety of said vessel and cargo on the intended voyage. They shall also have exclusive cognizance of all matters relating to the surveys of vessels and their cargoes arriving at the Port of New-York in distress, or damaged in said Port of New-York, and shall be the judges of its fitness to be re-shipped to its port of destination, or whether it shall be sold for the benefit of whom it may concern. They shall also, if called upon to do so, estimate the value or measurement of any vessel, when the same is in dispute or libeled, and record the same in the books of said office.

SECTION 4. It shall be the duty of said Board, or some one of them, on being notified and requested so to do by any of the parties in interest, to proceed in person to any warehouse, store, or dwelling, or in the public streets, or on the wharf, and examine any merchandise, vessels' materials, or other property said to have been damaged on board of any vessel, and inquire, examine, and ascertain the cause

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Shipping and Commission Merchants.—Continued.

Street Bros. & Co. 66 E. Bay.....	Charleston
Sweegan E. F. Central whf.....	"
Taft A. R. & Co. 159 E. Bay.....	"
Thurston E. N. Adger's N. whf.....	"
Tobias A.'s Sons, 122 E. Bay.....	"
Tupper T. & Sons, Prioleau nr Vendue.....	"
Wagner, Huger & Co. 96 E. Bay.....	"
Watson & Hill, Adger's N. whf.....	"
Wardlaw & Carew, 16 Broad.....	"
Wayne & Von Kolnitz, Vendue range.....	"
Whaley W. B. Kerr's whf.....	"
Whilden, Jones & Co. Marshall's whf.....	"
White A. J. & Co. 58 E. Bay.....	"
Wietters Otto F. 181 E. Bay.....	"
Wiley & Jaques, 681 King.....	"
Wilkins B. G. & Co. 12 E. Bay.....	"
Williams, Black & Williams, 3 Exchange Building.....	"
Willis Ed. 3 S. Atlantic whf.....	"
Witte Bros. 6 Exchange Building.....	"
PERKINS & JOB (see page 94), 325 Commissioner....	Montreal, Ca
GRACE J. W. & CO. (see page 198).....	San Francisco
TAYLOR C. L. & CO. (see page 90) 34 California.....	" "
BOWDLEAR W. H. & CO. (see page 90) 64 S. Castle Liverpool, Eng	
RATTRAY, MUNTZ & CO.....	Valparaiso, Chili
BRYCE GRACE & CO. (see advt.).....	Callao, Peru

Shipping Officers.

Downs J. D.....	Bangor, Me
Gerry A. L.....	" "
Shea Thomas.....	" "
Howard Everett.....	Bath, "
Jenkes Joseph C.....	" "
Knapp J. M. & C. P.....	Portland, "
Woodbury & Dodge.....	" "
York Reuben G.....	" "
Ranlett John S.....	Rockland, "
Robbinson G. L.....	" "
Thomas Benjamin D.....	" "
Boyle J. O. & Co. 21 India whf.....	Boston
Buckley & Dunbar, 252 Commercial.....	"
Chase A. K. 114 Commercial.....	"
Clark & Wilson, 122 Commercial.....	"
Flanagan M. C. 102 Water.....	Charlestown, "
Fluker Josiah C. 146 Commercial.....	"
Kimball Jameson, 234 Commercial.....	"
McIntyre R. 238 Commercial.....	"
Partridge & Baxter, 125 Commercial.....	"

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

F. L. FREEMAN & CO.,
Ship Brokers and Commission Merchants,
50½ WEST PRATT ST.,
BALTIMORE, MD.

Specialty made of furnishing First-Class Vessels for the Fruit Trade.

O. M. VESPER & CO.,
Ship Brokers
AND
COMMISSION MERCHANTS
59 South Gay Street,
BALTIMORE.

WM. BEERS.

CYRUS SEARS.

BEERS & SEARS,
Ship Brokers and General Commission Merchants,
44 WEST PRATT STREET,
BALTIMORE.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

Shipping Officers.—Continued.

Richardson J. & Co. 188 Commercial.....	Boston
Rogers H. W. 194 Commercial.....	"
Smith William, 194 Commercial.....	"
Smith & Rogers, 194 Commercial.....	"
Tierney John.....	Fall River, Mass
Horton James H. & Co. S. Water.....	Providence, R. I
Boreham Theodore, 40 South.....	New-York
Bush William H. 175 South.....	"
Buttner E. & Schultz, 115 Broad.....	"
Clark Thomas M. 39 South.....	"
Duryee George W. 40 South.....	"
Ferreira & Wilson, 56 West.....	"
Ferris & Kohl, 61 South.....	"
Fogg L. G. & Co. 22 Coenties slip.....	"
Hager & Co. 98 West.....	"
Harper & Hawley, 69 South.....	"
Hayden & Miller, 39½ South.....	"
Hobart & Nicholls, 87 West.....	"
Junier Charles F. 40 South.....	"
Laffey, Haveron & Ryan, 164 Maiden lane.....	"
Magee R. H. 75 South.....	"
Martin Ephraim H. 149 West.....	"
Miner John, 83 South.....	"
Mitchell George G. 40 South.....	"
Morrison John, 109 South.....	"
Pearl David L. 57 West.....	"
Sheahan Patrick, 286 West.....	"
Stickney William H. 40 South.....	"
Stockbridge Leavitt L. 160 South.....	"
White & Woods, 124 West.....	"
Wilson John, 160 South.....	"
Boyle John, 701 S. Front.....	Philadelphia
Boyle Thomas, 42 Brainbridge.....	"
Comly Henry, 219 N. 17th.....	"
Gill Thomas G. 133 S. 2d.....	"
McGuire & Todd, 424 S. Front.....	"
Tyler William H. 1102 S. Front.....	"
Hooper William H. 120 Thames.....	Baltimore
Peed John W. 58 W. Pratt.....	"

*** Shipping Papers.**

GAY AARON R. & CO. (see B, front fly-leaves). 130 State, Boston

Shipwrights.

Harrington Charles B. Front nr gas works..... Bath, Me
WINSLOW & DYER (see page 50), 338 Commercial... Portland, "

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Wharf, Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

BALTIMORE OAR MANUFACTORY.

J. W. NEILY & CO.,

Manufacturers, Wholesale and Retail Dealers in

Boat Oars, Sweeps, Sculls, etc.,

115 THAMES STREET, BALTIMORE.

Always on hand a large stock of both Rough and Dressed Oars for export. Particular attention to out of town orders.

W. RHOADS & SON,
SHIP BROKERS

AND

Commission Merchants,

S. E. Cor. Smith's Wharf and Pratt St.,

UP-STAIRS,

BALTIMORE.

HATCH, LOUD & CO.,
Ship Brokers and Commission Merchants,

50½ PRATT, COR. FREDERICK ST.,

BALTIMORE.

Kilham, Loud & Co., Boston.

R. C. HAYS,
Shipping and Commission Merchant,

AND

SHIP BROKER,

No. 70 SMITH'S WHARF,

BALTIMORE, MD.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Port Wardens' Office.—Continued from page 334.

or causes of such damage, and make a memorandum thereof, and of such property, and record in the books of said office a full and complete statement thereof; and it shall be the duty of said Board, when so requested, to furnish a certificate of any record in the books of said office to any party interested therein, upon their paying to said Board the regular fee for said certificate. All certificates issued shall be under the seal of said office, and signed by the President or Vice-President and Secretary, and said certificate shall be evidence of the existence and contents of such record in any Court of this State. In all cases of inquiries, examinations, and surveys relating to vessels and cargoes on board thereof, as specified in this act, the said Board shall give notice to all persons interested in, or having charge of the subject matter of such inquiry, examination, or survey, by advertisement in at least two daily newspapers, printed and published in the City of New-York, of the pendency of such inquiry, examination, or survey, and of the time and place of completing the same, the expense whereof shall be added to, and paid with the fee for making such inquiry, examination, or survey.

SECTION 5. It shall be the duty of said Board, or some one of the members thereof, to attend personally all sales of vessels when condemned, vessels' materials, and goods in a damaged state, which shall be sold at public auction in the Port of New-York, by reason of such damage, for the benefit of owners or underwriters, or for account of whom it may concern; and it shall be the duty of Auctioneers making such sales to give due notice thereof to said Board before the sale, and all such sales shall be made by Auctioneers under the direction and by order of the Wardens, for which service they shall be entitled to receive a commission of one half of one per cent on the gross amount of sales thereof, to be paid to said Board of Wardens on demand, by the Auctioneer making such sale, and such property shall be exempt from the payment of auction duties to the State; and it shall be the duty of Auctioneers to make monthly statements to said Board, specifying the total amount of each day's sales made by them under this act, which statement shall be filed in said Wardens' office, and the Wardens, when required by the owner or consignee thereof, shall certify the cause of such damage, the amount of such sales, and the charges on the same, all of which shall be recorded in the books of said office, and the said Board of Wardens shall be allowed for each and every survey held on board of any vessel, on hatches, stowage of cargo, or damaged goods, or at any warehouse, store, or dwelling, or in the public street, or on the wharf, within the limits of the Port of New-York, on goods said to be damaged, the sum of two dollars, and for each and every certificate given in consequence thereof, the sum of one dollar, and for each and every survey on the hulls, sails, spars, or rigging of any vessel damaged, or arriving at said port in distress, the sum of five dollars, and for each and every certificate given in consequence thereof, the sum of two dollars and fifty cents, and for each valuation or measurement of any vessel the sum of ten dollars, and the compensation and emoluments of said office shall be divided equally between the said nine Wardens composing the Board under this Act.

SECTION 6. It shall be unlawful for any person or persons except the Port Wardens, duly appointed under this Act, to assume to act as Port Wardens, or to undertake the performance of any of the duties prescribed in this Act, or pertaining to the said office of Port Warden, and it shall be unlawful for any person or persons to employ any other than the legally appointed Wardens for performance of such duties, and it shall also be unlawful for any person or persons to issue certificates of surveys on vessels, vessels' materials, or goods damaged, with the intent to defeat or avoid the provisions of this Act, and any person or persons violating the provisions of this Act shall be deemed guilty of a misdemeanor, and shall forfeit and pay to the Wardens a penalty of one hundred dollars for each offence committed, and the said Board of Wardens or their successors in office may, in their proper name and title, sue for and recover in any court in this State having cognizance thereof, their legal fees or the penalty of this Act, for any violation of the laws appertaining to the duties of the Port Wardens of the Port of New-York.

SECTION 7. The Governor shall nominate, and, by and with the consent of the Senate, appoint two Special Wardens, who shall reside at Quarantine, and whose duty it shall be to act as Wardens only in regard to vessels and goods that are actually under and subject to Quarantine detention, and their duties shall not apply to vessels stopping at Quarantine for the purpose only of visitation by Health Officer and not detained. One of the said Wardens shall be appointed for the term of two years, and the other, and all subsequent appointments, for the term of three years. Such Special Wardens shall make returns in detail of all surveys made by them, and of all other duties by them performed, to the Warden's office in the City of New-York, within forty-eight hours after such survey is made or such service performed, and all rules and regulations adopted by the Board of Wardens shall apply to and govern said Special Wardens in the discharge of their duties at Quarantine. The Special Wardens at Quarantine shall be allowed and entitled to receive for each and every survey or examination made by them the sum of five dollars, and the compensation and emoluments of said office shall be divided equally between the said Special Wardens, share and share alike.

SECTION 8. The said Board of Port Wardens shall keep a full and accurate account of all their receipts and expenditures, and transmit to the Comptroller a true copy thereof annually, on the first Monday of January in each year, and which copy shall be verified by the oaths of the President and Secretary of said Board, and each Warden shall append to such account an affidavit that he has not taken or received any money, or goods, as presents, directly or indirectly, for services as Warden, except the legal fees.

SECTION 9. Sections one, two, three, four, five, and six of Chapter Eighteen of the Laws of eighteen hundred and nineteen, and Sections one, two, three, and four of Chapter Ninety-three of the Laws of eighteen hundred and thirty-one, and Chapter Eighty-nine of the Laws of eighteen hundred and forty-four, and Section nine of Chapter Sixty-two of the Laws of eighteen hundred and forty-six, and all Acts and parts of Acts inconsistent with the provisions of this Act, are hereby repealed.

SECTION 10. This Act shall take effect immediately.

STATE OF NEW-YORK, } ss.
SECRETARY'S OFFICE, }

I have compared the preceding with the original Law on file in this office, and do certify that it is a correct transcript thereof, and of the whole of such original.

In testimony whereof, I hereunto set my hand and affix my official seal at the city of Albany, this twentieth day of April, in the year of our Lord one thousand eight hundred and fifty-seven.

N. P. STANTON,
Dep. Sec. of State.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Shipwrights.—Continued.

GREEN WILLIAM F. & SON (see page 102), 282 Border..	East-Boston
LEIGHTON EMERY D. (see page 110) 109 Sumner....	"
SARGENT & SLEEPER, 15 Sumner.....	"
Alchorn George H. 374 South.....	New-York
Bucknam & Co. 254 South and 479 Water	"
Crew & Chappell, 371 South.....	"
Darton William jr. 81 Pike.....	"
Darling G. F. & Co. 75 Rutgers.....	"
Hall, Cornish & Co. 256 South.....	"
Holder and Smith, 387 South.....	"
Jones Isaac P. 431 Water.....	"
Kelly Thomas, 385 South.....	"
Kirkam Henry P. 385 South.....	"
Lugar and Reed, 118 Ave D.....	"
McCarthy Dennis, 389 South.....	"
McGulrick John, 389 South.....	"
McMahon John, 156 Maiden lane.....	"
Merritt Washington D. 85 Pike.....	"
Phillips William H. 160 Maiden lane.....	"
Pine Samuel H. 85 Pine.....	"
Rooney Joseph & Co. 382 South.....	"
ROSEVELT & GRIFFITHS, 257 South.....	"
Samson & Goodwin, 73 Rutgers.....	"
Steengrafe A. & Co. 230 South and 58 West.....	"
STUELER R. (see page 154) 159 Front.....	"
Walsh John F. 352 West.....	"
West Christopher, 160 Maiden lane.....	"
Hart, Trundy & Murphy, Gowanus creek cor Smith & Halleck.....	Brooklyn, N. Y
Pendleton James, Van Brunt cor Elizabeth.....	" "
Winslow John, 10 India whf.....	" "
Bartle William T. 828 Richmond.....	Philadelphia
Birely, Hillman & Streeker, Beach cor Warren.....	"
Cramp W.'s Sons, Beach nr Norris.....	"
Hoffmann James N. Dickinson st whf.....	"
Lynn John W. & Son, 426 S. Delaware ave.....	"
McCraight T. & Co. Beach cor Norris.....	"
Shapley Ezekiel C. 1831 Columbia ave.....	"
Simpson A. S. & Bro. 833 Swanson.....	"
WHITECAR JOSEPH (see page 260), 402 Penn.....	"
WOOD, DIALOGUE & CO. (see inside front cover)	"
215 S. 5th.....	"
GRAVES WILLIAM A. (see page 378) 211 to 219 Water..	Norfolk
MARSH JAMES G. & D. C. (see page 388).....	Charleston

Shipwrights and Caulkers.

GREEN WILLIAM F. (see page 102) 282 Border.....	East-Boston
SARGENT & SLEEPER, 15 Sumner.....	"

Shipwrights and Caulkers.—Continued.

Annis E. G.	East-Gloucester, Mass
Bealkey A.	Fall River, “
Terry J. C.	“ “
Davis Bros.	Gloucester, “
Gaffney Michael & Co.	“ “
Drew James.	New-Bedford, “
Eldredge Reuben S.	“ “
Gage Benjamin.	“ “
Weeks Reuben.	“ “
Delano Otis.	Newburyport, “
Flanders Enoch.	“ “
Nason D.	“ “
Bailey Benjamin M.	Portsmouth, N. H
Atkins Isaiah.	Provincetown, Mass
Mott Stephen & Son.	“ “
Swam J. A.	Vineyard Haven, Tisbury, “
Cook Edwin P.	Wellfleet, “
Mott James L.	“ “
Willink H. F. ft Drayton.	Savannah

*** Shipwrights, Caulkers and Sparmakers.**

ROSEVELT & GRIFFITHS, 257 South.....New-York

*** Shirt Makers.**

BEASLEY J. W. (see page 378) Church cor Main.....Norfolk

SCOTT E. (see page 396) Meeting.....Charleston

Shutters—Iron.

GORDON BROS. (see page 158) 136 S. 5th ave.....New-York

*** Signal Codes—Telegraphic.**

AMERICAN LLOYDS (see page 202), 16 Burling slip...New-York

Signal Lamps and Lanterns.

TUFTS BROS. (see page 100) 42 Sudbury.....Boston

HOLMES THOMAS M. (see page 280) 307 Race.....Philadelphia

Signal Lights.

NASH F. & C. B. (see page 38) 172 & 174 Fore.....Portland, Me

NASH O. M. & D. W. (see page 38) 6 Exchange.....“ “

COFFIN & WOODWARD (see page 54), 224 State.....Boston

BURHANS & GEORGE (see page 252), 164 Maiden lane, New-York

GREGORY JAMES (see page 252), 106 Cannon.....“

SNELLING J. & CO. (see page 144) 158 South.....“

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

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MANUFACTURER OF

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66 SOUTH GAY ST.,

BALTIMORE.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

*** Signal Oils.**

DARE W. H. (see page 148) 163 South.....New-York
CREW, MOORE & LEVICK, 113 Arch.....Philadelphia

*** Silver and Silver Plated Ware.**

JOHNSTON J. H. (see opp back paster), 150 Bowery....New-York
MERIDEN BRITANNIA CO. (see front cover) 550 B'way “

*** Soap and Candles.**

ELKINTON LINDLEY M. (see page 352) 116 Marga-
retta.....Philadelphia

*** Soups.**

(Hermetically Sealed.)

BARNES L. W. & SON (see page 220), 311 E. B'way....New-York

*** Spelter.**

PHELPS, DODGE & CO. (see front cover) Cliff bet John
and Fulton.....New-York

Ship Spikes, Bolts and Nails.

(Composition and Yellow Metal.)

Riverside Spike Co.....Camden, Me
LAUGHLIN THOMAS & SON (see page 22), 16 &
18 Centre.....Portland, “
BRIDGEWATER IRON CO. (see page 74), 28 Broad.....Boston
CROCKER BROS. & CO. (see page 62) 11 Broad.....“
LORING ABBOTT & CO. (see page 68) 103 Fulton.....“
MORSS ANTHONY S. (see page 132) 210 Commercial.....“
REVERE COPPER CO. (see page 214) 47 Kilby.....“
BRIDGEWATER IRON CO. STETSON & PRATT agts
(see page 74), 28 Broad.....“
BARSTOW E. W. & SON (see page 148), 83 Maiden lane, New-York
BRIDGEWATER IRON CO. GEO. B. STETSON agt
(see page 74) 73 Pearl.....“
COFFIN PAUL C. & CO. (see page 142) 197 West.....“
CROCKER BROS. & CO. (see page 62) 232 South.....“
REVERE COPPER CO. (see page 214) 242 South.....“
WEST SIDE GALVANIZING WORKS, 46 Cliff.....“

*** Spikes, Nails and Ship Fastenings.**

(Composition.)

REVERE COPPER CO. (see page 214) 47 Kilby.....Boston

*** Spring Beds.**

HOWE SPRING BED CO. (see page 242) 173 Canal.....New-York

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smith, 60 W. Pratt St., Balto.

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S. W. cor. Frederick and Pratt Sts.,
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GEO. W. HUBBARD & CO., Sail Makers,

71 SMITH'S WHARF,
BALTIMORE, MD.

J. JOSEPH GRAY.

WM. J. THURLOW.

J. JOSEPH GRAY & CO., SAIL MAKERS,

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BALTIMORE.



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Bilge Bolts. Manufactory, Bath, Me.

*** Stationers.**

GAY AARON R. & CO. (see page B, front fly-leaves) 130
State Boston

*** Stair Builders.**

O'BRIEN E. & SON (see page 394), 140 E. Bay.....Charleston

Ship Castings.

(Brass, Composition and Iron.)

TORREY MNFG. CO. (see margin lines, also page opp index)
Commercial Bath, Me
Torrey J. G. & Son.....Rockland, "
BURHANS & GEORGE (see page 252), 164 Maiden lane..New-York

*** Steam Heating—For Vessels.**

WOOD JAMES P. & CO. (see page 306) 41 S. 4th..Philadelphia

*** Steam Pipes.**

AMERICAN TUBE WORKS, 97 State.....Boston

Steamboat and Steamship Companies and Agents.

Kendrick F. F.....Bangor, Me
Taylor Loomis, Sanford's Independent Line..... "
Brown John E. Kennebec Steamboat Co.....Bath, "
Patterson Cyrus, Inside Line.....Belfast, "
Wells G. G., Sanford's Line..... "
Folsom D. C.....Bucksport, "
Patterson J. W., Sanford's Line..... "
International Line, Eastport & Calais.....Calais, "
Wood E. M., Sanford's Line.....Camden, "
Hayes George, International Line.....Eastport, "
Smith Warren II.....Eden, "
Blanchard & Reed, Kennebec Line.....Gardiner, "
Wasgatt T. R.....Hampden Corner, Hampden, "
Allan H. & A.....Portland, "
Farmer J. L. 3 India..... "
Fox Henry, Maine Steamship Co..... "
Montreal Steamship Co. G. L. Farmer..... "
N. E. & N. S. Steamship Co. J. B. Coyle..... "
Portland Steam Packet Co. J. B. Coyle..... "
Farwell M. W., Sanford's Line.....Rockland, "
Wise J. P..... "
Lord & Eseleth.....Winterport, "
Sokell John..... "
LORING HARRISON (see advt.), E. 1st nr M..City Point, Boston
WALTER JOHN & CO. (see page 114) 168 State..... "

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Foreign Governments.

COUNTRY.	CAPITAL.	NAME OF RULER.	TITLE.	POPUL'N.	AREA SQUARE MILES.
Abyssinia.....	Magdala.....	Johannes I.....	King.....	40,000,000	175,000
Afghanistan.....	Candahar.....	Shere Ali.....	Shah.....	7,000,000	300,000
Anam (Cochin China).....	Ketcho.....	Tu Duc.....	King.....	13,500,000	600,000
Andorra.....	Andorra.....	A. Queradra.....	1st Syndic.....	20,000	190
Argentine Republic.....	Buenos Ayres.....	Señor Avellaneda.....	President.....	1,171,800	1,000,000
Austria.....	Vienna.....	Francis Joseph I.....	Emperor.....	35,019,058	258,000
Belgium.....	Brussels.....	Leopold II.....	King.....	4,984,500	12,500
Beloochistan.....	Kelat.....	Mir Nasa Khan.....	Khan.....	2,000,000	160,000
Brazil.....	Rio de Janeiro.....	Pedro II.....	Emperor.....	11,780,000	3,000,000
Bokhara.....	Bokhara.....	Mozaffar ed. di.....	Khan.....	2,000,000	235,000
Bolivia.....	La Paz.....	Thomas Frias.....	President.....	1,987,352	318,000
Borneo.....	.....	Abdul Munem.....	Sultan.....	25,000,000	300,000
Burman Empire.....	Monchoboo.....	Mendoonmen.....	King.....	8,000,000	200,000
Chili.....	Santiago.....	Errazuriz.....	President.....	1,558,319	141,000
China.....	Pekin.....	T'oung Chei.....	Emperor.....	415,000,000	5,300,000
Costa Rica.....	San José.....	J. M. Guardia.....	President.....	150,000	16,250
Dahomey.....	Dahomey.....	Adahoonzon.....	King.....	300,000	.....
Denmark.....	Copenhagen.....	Christian IX.....	King.....	155,143	14,615
Egypt.....	Cairo.....	Ismail Pasha.....	Khedive.....	5,800,000	175,800
Ecuador.....	Quito.....	Don G. G. Moreno.....	President.....	1,100,000	300,000
Fiji Islands.....	Ovalan.....	Ceded to Great Britain.....	King.....	250,000	.....
France.....	Paris.....	Marshal MacMahon.....	President.....	38,192,094	204,825
German Empire.....	} Berlin.....	William.....	Emperor.....	30,000,000	746,042
Prussia.....		.....	.....	.....	.....
Saxony and States.....		.....	.....	.....	.....
Lubeck.....		.....	.....	52,158	5.21
Hamburg.....		.....	.....	122,565	4.76
Bremen.....		.....	.....	338,974	7.44
Bavaria.....		Munich.....	Ludwig II.....	4,689,000	26,500
Wurtemberg.....		Stuttgart.....	Charles I.....	1,785,982	7,600
Baden.....		Carlsruhe.....	Frederic.....	1,435,000	5,712
Hesse-Darmstadt.....		Darmstadt.....	Louis III.....	852,000	13,964
Alsace-Lorraine.....	} S. Germany.....	.....	.....	1,549,459	25,706
Great Britain.....		London.....	Victoria.....	29,307,199	121,115
Greece.....		Athens.....	George I.....	1,457,894	19,950
Guatemala.....		Guatemala.....	Don I. Rufino Barrios.....	1,000,000	15,000
Hayti.....		Port au Prince.....	Nissage Saget.....	960,000	11,718
Honduras.....		Comayagua.....	Don Poreiano Leiva.....	350,000	.....
Italy.....		Rome.....	Victor Emmanuel II.....	26,796,149	98,154
Japan.....		Jeddo.....	Mutsuhito.....	30,000,000	266,500
Khokan.....		Khokan.....	Khan.....	1,000,000	.....
Liberia.....		Monrovia.....	T. T. Roberts.....	11,000	.....
Madagascar.....	} Tananarivo.....	Ranavolo II.....	Queen.....	5,000,000	225,000
Mexico.....		Señor Lerdo de Tejada.....	President.....	9,173,052	846,615
Montenegro.....		Montenegro.....	Nicholas I.....	100,000	450,000
Mosquito.....		Blewfields.....	Jamaso.....	.....	34,000
Morocco.....		Fez.....	Mulai Hassan.....	7,000,000	25,000
Muscat.....		Muscat.....	Azan Bin Ghes.....	2,500,000	176,000
Netherlands.....		Amsterdam.....	William III.....	3,652,072	12,685
New-Granada.....		Bogota.....	Don Santiago Perez.....	3,000,000	333,000
Nicaragua.....		Managua.....	Don Vicente Quadra.....	235,000	57,000
Norway.....		Christiana.....	Oscar II. of Sweden.....	1,753,000	121,000
Orange Free States.....	} J. H. Brand.....	.....	President.....	35,000	70,000
Paraguay.....		Assuncion.....	Salvador Jovellanos.....	1,400,000	85,000
Persia.....		Teheran.....	Nassir ed. Deen.....	9,500,000	648,000
Peru.....		Lima.....	Señor Manuel Prado.....	3,374,000	558,000
Portugal.....		Lisbon.....	Luis I.....	4,435,000	21,491
Roumania.....		Bucharest.....	Charles.....	2,500,000	27,500
Russia.....		St. Petersburg.....	Alexander II.....	81,745,307	7,710,882
Sarawak.....		Kuching.....	Charles Brook Santiago.....	200,000	.....
Sandwich Islands.....		Honolulu.....	David Kalakaua.....	73,000	6,500
San Salvador.....		San Salvador.....	Señor J. Gonzales.....	280,000	7,500
Servia.....	} Belgrade.....	Milan Obrenovitch.....	Prince.....	125,000	12,600
Siam.....		Bang Kok.....	Chan Fa Chule Long Korn.....	5,000,000	250,000
Spain.....		Madrid.....	Don Alfonso XII.....	16,641,984	193,508
Switzerland.....		Berne.....	P. Cérésle.....	2,361,147	15,991
Sweden.....		Stockholm.....	Oscar II.....	4,294,771	128,776
Turkey.....		Constantinople.....	Abdul Aziz.....	42,000,000	1,857,690
St. Domingo.....		San Domingo.....	Gen. Ig. Gonzales.....	136,500	18,000
Uruguay.....		Montevideo.....	Don José Mauri.....	450,000	75,000
Venezuela.....		Caracas.....	A. Guzman Blanco.....	1,600,000	426,000

Steamboat and Steamship Companies and Agents.—Continued.

Fall River & Providence Steamboat Line.....	Fall River, Mass	
Old Colony Steamship Co. M. F. Pike agt.....	"	"
Davidson J. W.....	Gloucester,	"
Gloucester Steamboat Co. Abbott Coffin agt.....	"	"
Leavitt A. L.....	Hingham Centre,	"
Lynn, Nahant & Boston Steamer.....	Lynn, Nantucket,	"
Nantucket & Cape Cod Steamboat Co. Isaac Macy manag direc.....	"	"
New-Bedford & New-York Steamship Co. F. H. Forbes agt & treas.....	New-Bedford,	"
New-Bedford, Vineyard & Nantucket Steamboat Co. A. G. Pierce treas.....	"	"
Merchants' Steam Line, Fox Point whf, Z. Williams agt.....	Providence, R. I	
Providence & New-York Steamship Co. Fox Point whf, Z. Williams agt.....	"	"
Anchor Line, 20 Court.....	Brooklyn, N. Y	
Guion Line, 20 Court.....	"	"
Inman Line, 4 Court.....	"	"
National Line, 18 Court and 201 Montague.....	"	"
State Line, 80 Court.....	"	"
St. Domingo Line (Martin's stores), Furman nr Fulton	"	"
White Star Line, 18 Court and 201 Montague.....	"	"
AMERICAN STEAMSHIP CO. OF PHILADEL- PHIA (American Line), Peter Wright & Sons gen agts, 301 Walnut.....	Philadelphia	
CLYDE WILLIAM P. & CO. 12 S. whvs.....	"	
INTERNATIONAL NAVIGATION CO. (Red Star Line) Peter Wright & Sons gen agts, 301 Walnut....	"	
ANDREWS & CO. (see page 332) 73 Smith's whf.....	Baltimore	
DE MEROLLA E. & CO. (see page 342) 33 S. Gay.....	"	
Maryland Steamboat Co. 98 Light st whf.....	"	
Annamessic Line, W. A. Eldridge agt, Annamessic whf.....	Norfolk	
Baltimore S. Packet Co. L. W. Thomas agt, ft High. Portsmouth, Va Baltimore Steam Packet Co. C. E. Yeatman agt, Water ft Newcastle.....	Norfolk	
Boston Line, V. D. Grover agt, Chamberlaine's whf.....	"	
Crowell Thomas P. Annamessic whf.....	"	
CLYDE LINE (Phila.), T. P. Crowell agt, Annamessic whf.	"	
Groner V. D. Chamberlaine's whf.....	"	
Hume A. I. Campbell's whf.....	"	
James River Line, A. I. Hume agt, Campbell's whf.....	"	
Lamb William, 14 Water, Smith's whf, Iowa pt.....	"	
Nansemond R. Line, Phillips, Henry & Co. agts, 9 Commerce	"	
Old Dominion, Thos. H. Webb agt, ft Hutching's lane....	"	
Sale & Co. Canal Co.'s whf.....	"	
Roberts Henry, ft Commerce.....	"	

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" OTTO G. JAHN.

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Bilge Bolts. Manufactory, Bath, Me.**

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Steamboat and Steamship Companies and Agents.—Continued.

Thomson William E. 87 Water.....	Norfolk
Adger James E. & Co. cor E. Bay & Adger's S. whf.....	Charleston
Courtenay William A. 96 E. Bay.....	"
Honour J. L. 60 E. Bay.....	"
Nisbet Douglas, S. Atlantic whf.....	"
Ravenel Holmes & Co. 80 E. Bay.....	"
Ravenel & Co. cor Vanderhorst whf & E. Bay.....	"
Roch & Moffetts, cor Adger's S. whf & E. Bay.....	"
Tobias A.'s Sons, 122 E. Bay.....	"
Wagner, Huger & Co. 96 E. Bay.....	"
Willis Edward, 3 S. Atlantic whf.....	"
Williams, Black & Williams, 3 Exchange Bldg.....	"
Baltimore & Savannah, I. B. West & Co. agts, 120 Bay..	Savannah
Black Star Line (N. Y.), Octavus Cohen & Co. agts, 98 Bay	"
Boston & Savannah, Richardson & Barnard agts, 78 Bay	"
Darien, B. & Satilla, F. M. Myrell agt, Charleston whf....	"
Empire Line (New-York), W. Cumming & Co. agts, 10 Bull	"
Florida & Charleston, W. Cumming & Co. agts, 10 Bull..	"
G. Southern Line (N. Y.), Wilder & Fullerton agts, 126 Bay	"
Murray Line (New-York), Hunter & Gammell agts, 100 Bay..	"
North German Lloyds, I. B. West & Co. agts, 120 Bay.....	"
Philadelphia & Southern, Hunter & Gammell agts, 100 Bay.	"
Prov. & Savannah, Richardson & Barnard agts, 78 Bay....	"
Savannah & Florida, W. Cumming & Co. agts, 10 Bull.....	"

Steam Pipes.

Brooklyn Tube Works, 1 Adams.....	Brooklyn, N. Y
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Spar Makers.

Taff David J. ft Quay.....	Brooklyn, N. Y
Thorburn George, 740 Water, N. Y., and ft N. 13th.	" "
Waterbury & Thorburn, 1st cor N. 13th.....	" "

*** Steerers.**

THOMPSON JOS. (see page 196) 36 Burling slip.....	New-York
COFFIN & WOODWARD (see page 54), 224 State.....	Boston

*** Steering Wheels.**

MOULTON GEORGE & SON (see page 18).....	Bath, Me
COFFIN & WOODWARD (see page 54), 224 State.....	Boston
Foster & Roby, 178 & 180 Commercial.....	"
STONE HENRY N. (see page 80) 132 Commercial.....	"
BURHANS & GEORGE (see page 252), 164 Maiden lane.	New-York
BUCKLEY & MERRITT (see page 138), 156 South.....	"
SNELLING J. & CO. (see page 144) 158 South.....	"

Baltimore Copper Paint is unsurpassed.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Ag't, 31 South St., N. Y.

Steering Wheels.—Continued.

THOMPSON JOSEPH (see page 196), 36 Burling slip..New-York

PEREGOY WILLIAM E. (see page 342) Bond cor
Thames Baltimore**Stevedores.**

ANDERSON JOHN & CO. 40 Dover.....New-York

Behrens Augustus, 164 South.....“

Beverly George W. 32 South.....“

Bolger Peter, 515 E. 19th.....“

Brady & Monaghan, 23 Old slip.....“

Brewer Henry, 26 Coenties slip.....“

Christy Martin, 32 Old slip.....“

Cochran William, 254 South.....“

Cuming, Seely & Co. 27 Coenties slip.....“

Dixon & Bro. 31 Old slip.....“

Engelke, Anderson & Dopman, 10 South.....“

Evans Edward A. 193 South.....“

Fisher Charles J. 60 South.....“

Flood William, 32 Old slip.....“

Graney Thomas, ft W. 14th.....“

Hall Benjamin J. & Bro. 69 South.....“

Hobart Charles B. 92 West.....“

Hooper Daniel, 205 South.....“

Hoshagan & Brummerhop, 47 West.....“

Kelly Thomas, 32 Old slip.....“

Kock & Olsen, 10 South.....“

Kruse Frank, 47 West.....“

Leighton Samuel, 22 Coenties slip.....“

Low, Philip B. 115 South.....“

Lohf Charles H. 5 William and 22 Coenties slip.....“

Lovell & Sinclair, 28 Coenties slip.....“

Mailler John E. 40 South.....“

Moore William H. & Bro. 205 South.....“

Murray Philip, 31 Old slip.....“

Ostrom & Morris, 153 South.....“

Quigley Thomas, 88 Pine.....“

Roberts William & Sons, 34 Old slip.....“

Robinson Ezeriah, 399 West.....“

Sandy Samuel, 31 Old slip.....“

Sandbloom Augustus, 182 South.....“

Santoos Joseph, 153 South.....“

Scott Peter, 217 West.....“

Shaw William, 67 South.....“

Sloan William, 32 South.....“

Smith Daniel, 156 Maiden lane.....“

Snow & Carver, 23 South.....“

Swager Frederick, 131 Ave. D.....“

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Stevedores.—Continued.

Thompson & Philipsen, 22 South.....	New-York
Walsh Bros. 333 West and 740 Water.....	"
Watson John, 622 W. 52d.....	"
William Henry S. 154 South.....	"
William C. E. & Son, 31 Old slip.....	"
Wilkins H. 67 South.....	"
Wilson Charles E. & Son, 31 Old slip.....	"
Wilson M. K. & Co. 41 South.....	"
Zitlosen & Arfman, 56 West and Beaver cor William.....	"
Dougherty Daniel, 231 Front.....	Brooklyn, N.Y.
Gillick & Ward, Tillary cor Raymond.....	" "
Lambert Charles, 46 Gold.....	" "
McLaughlin William, 77 Warren.....	" "
Bennett Lawrence, 48 N. 7th.....	Philadelphia
Benson George's Sons, 141 S. Delaware ave.....	"
Brown & Taylor, 302 S. Delaware ave.....	"
Conner John, 310 S. Delaware ave.....	"
Cook J. Perran, 100 N. 7th.....	"
Corcoran John, 217 Union.....	"
Cutler Thomas & Son, 514 S. Delaware ave.....	"
Day James, 622 S. Front.....	"
Edwards Charles, 22 N. 7th.....	"
English Edwin, 20 Catharine.....	"
Fennoquio Peter, 400 S. Front.....	"
Gillis John, 101 Almond.....	"
Gillis John, 714 S. Front.....	"
Haley Jeremiah, 10 Augusta pl.....	"
Hare Daniel, 29 Poplar.....	"
Higgins Edward N. 40 Almond.....	"
Lovett Charles, 607 Annapolis.....	"
McDERMOTT CORNELIUS (see page 292), 114 Almond.....	"
Moorman & Irvine, 334 S. Delaware ave.....	"
Morris Alexander, 20 Mead.....	"
Speakman Robert E. 235 Washington ave.....	"
Sloan Philip, 734 S. Front.....	"
Thomas James & Son, 28 N. Delaware ave.....	"
Wilson Nathan McK. 413 Dickenson.....	"
Rawlins & Co. Fayette cor Lee.....	Norfolk
Dick & Small, 71 E. Bay.....	Charleston
Fortune Edward, 19 Queen.....	"
Jefferson G. W. 11 Pinckney.....	"
Miles Henry C. ft Broad.....	"

Storage.

Atlantic Petroleum Storage Co. 307 Walnut.....	Philadelphia
Delany Charles, Beach ft Plum.....	"
Fitzpatrick Philip, 328 S. Delaware ave.....	"

For Cabin and Galley Outfits, go to D. C. Smull, 60 W. Pratt St., Baltimore.

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John C. Giffing, Ag't, 31 South St., N. Y.**

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Ministers to Foreign Governments.

TO WHAT COUNTRY ACCREDITED.	NAME AND RANK.	RESIDENCE.	WHENCE APPOINTED.	DATE OF COMMISSION	COMPENSATION.
Argentine Rep...	Thomas O. Osborn.....	Buenos Ayres.....	Ill.....	Dec. 12, '72	\$7,500
Austria.....	John Jay, E. E. and M. P.....	Vienna.....	N. Y.....	Apr. 13, '69	12,000
	John F. Delaplaine, Sec. of Leg.....	Vienna.....	N. Y.....	June 1, '69	1,800
Belgium.....	J. Russell Jones, Min. Res.....	Brussels.....	Ill.....	June 1, '69	7,500
Bolivia.....	R. M. Reynolds, Min. Res.....	La Paz.....	Ky.....	Dec. 20, '72	7,500
Brazil.....	James R. Partridge, E. E. and M. P.....	Rio de Janeiro.....	Md.....	May 23, '71	12,000
	R. C. Shannon, Sec. of Leg.....	Rio de Janeiro.....	Me.....	June 26, '71	1,800
Central American States.....					
Costa Rica.....	George Williamson, Min. Res.....	San Jose.....	La.....	May 17, '73*	10,000
Guatemala.....					
Honduras.....					
Nicaragua.....					
Salvador.....					
Chili.....	Cornelius A. Logan, E. E.* and M. P.....	Santiago.....	Kans.....	Mar. 17, '73	10,000
China.....	B. P. Avery.....	Peking.....	Cal.....	Sept. 28, '69	12,000
	S. W. Williams, Sec. of L. and Int.....	Peking.....	China.....	June 27, '55	5,000
Columbia.....	William L. Scruggs, Min. Res.....	Bogots.....	Ga.....	April 9, '73	7,500
Denmark.....	M. J. Cramer, § Min. Res.....	Copenhagen.....	Ky.....	Sept. 9, '70	7,500
Ecuador.....		Quito.....	Ky.....	Nov. 16, '69	7,500
France.....	E. B. Washburne, E. E. and M. P.....	Paris.....	Ill.....	Mar. 17, '69	17,500
	R. R. Hitt, Sec. of Leg.....	Paris.....	Ill.....	Mar. 18, '67	2,625
	G. Washburne, 2d Sec. of Leg.....	Paris.....	Ill.....	Feb. 15, '72†	2,000
Germany.....	J. C. B. Davis, E. E. and M. P.....	Berlin.....	N. Y.....	May 31, '71	17,500
	Nicholas Fish, Sec. of Leg.....	Berlin.....	N. Y.....	June 10, '67	2,625
	Chapman Coleman, 2d Sec. of Leg.....	Berlin.....	N. Y.....	May 22, '71†	2,000
Great Britain.....	Robert C. Schenck, E. E. and M. P.....	London.....	Ohio.....	Dec. 22, '70	17,500
	Wickham Hoffman, Sec. of Leg.....	London.....	Pa.....	July 29, '64	2,625
	W. H. Chesebrough, 2d Sec. of Leg.....	London.....	N. Y.....	June 8, '72	2,000
Greece.....	John Meredith Read, Jr., M. R.....	Athens.....	N. Y.....	Nov. 7, '73	7,500
Hawaiian Islands.....	Henry A. Peirce, Min. Res.....	Honolulu.....	Mass.....	May 10, '69	7,500
Hayti.....	E. D. Basset, Min. Res. and C. G.....	Port-au-Prince.....	Pa.....	April 16, '69	7,500
Italy.....	George P. Marsh, E. E. and M. P.....	Rome.....	Vt.....	Mar. 20, '61	12,000
	George W. Wurts, Sec. of Leg.....	Rome.....	Pa.....	April 16, '69	1,800
Japan.....	John A. Bingham, E. E. and M. P.....	Yedo.....	Ohio.....	May 31, '73	12,000
	Durham W. Stevens, Sec. of Leg.....	Yedo.....	D. C.....	Aug. 6, '73	2,500
	David Thompson, Int.....	Yedo.....	Maine.....	Mar. 21, '72	2,500
Liberia.....	J. M. Turner, Min. Res. and C. G.....	Monrovia.....	Mo.....	March 1, '71	4,000
Mexico.....	John W. Foster, E. E. and M. P.....	Mexico.....	Ind.....	Mar. 17, '73	12,000
	F. C. Willett, Sec. of Leg.....	Mexico.....	D. C.....	July 12, '70	1,800
Netherlands.....	Charles T. Goram, Min. Res.....	The Hague.....	Mich.....	July 12, '70	7,500
Paraguay.....	J. C. Caldwell, ¶ Min. Res.....	Montevideo.....	Me.....	April 28, '70	.....
Peru.....	Francis Thomas, E. E. and M. P.....	Lima.....	Md.....	Mar. 25, '72	10,000
Portugal.....	Benj. Moran, Min. Res.....	Lisbon.....	Va.....	Mar. 15, '70	7,500
Russia.....		St. Petersburg.....		May 29, '73	17,500
	Eugene Schuyler, Sec. of Leg.....	St. Petersburg.....	N. Y.....	Mar. 24, '70	2,625
Spain.....	Caleb Cushing.....	Madrid.....	Va.....	Dec. '73	12,000
	Sec. of Leg.....	Madrid.....	N. Y.....	Sept. 9, '70	1,800
Sweden, Norway.....	C. C. Andrews, Min. Res.....	Stockholm.....	Minn.....	June 3, '69	7,500
Switzerland.....	Horace Rublee, Min. Res.....	Berne.....	Wis.....	April 20, '69	7,500
Turkey.....	George H. Boker, Min. Res.....	Constantinople.....	Pa.....	Nov. 3, '71	7,500
	J. H. Goodenow, Sec. of Leg.....	Constantinople.....	Me.....	July 1, '73**	.....
	A. A. Garguilo, Int. to Leg.....	Constantinople.....		July 1, '73	3,000
Uruguay.....	J. C. Caldwell, Min. Res.....	Montevideo.....	Me.....	Mar. 25, '70	10,000
Venezuela.....	Thomas Russell, Min. Res.....	Caracas.....	Mo.....	May 23, '71	7,500

* To take effect July 1, 1873. † To take effect April 1, 1872. ‡ To take effect July 1, 1871. § Naturalized. ¶ To take effect June 1, 1873. ¶ Superadded office.
 **By an act of Congress approved February 22, 1873, it is provided that, after the above date, the Consul-General at Constantinople shall also be Secretary of Legation.

American Wars.

Dutch War.....	1673	Tecumseh War.....	1811
King Philip's.....	1675	War of.....	1812
King William's.....	1689	Algerine Pirates.....	1815
Queen Anne's.....	1744	First Seminole War.....	1817
French and Indian.....	1753	Black Hawk War.....	1832
American Revolution.....	1775	Second Seminole War.....	1845
Indian War.....	1790	Mexican War.....	1846
Barbary War.....	1803	Southern Rebellion.....	1861

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Storage.—Continued.

Godley Henry, 709 Swanson.....	Philadelphia
Godley Jesse, 10 Granite.....	"
Godley Philip, 34 Almond.....	"
Godley William, 23 Queen.....	"
Graff Ernest F. 2043 Market.....	"
Kidney William, 213 N. Water.....	"
Philadelphia Grain Warehousing and Drying Co. Wash- ington ave whf.....	"
Scott & Ardis, Dickinson st whf.....	"
Warehousing Co. of Philadelphia, S. Front & Dock.....	"

*** Strap Blocks.**

SHUBERT & COTTINGHAM (see page 320), 120 N. Delaware ave.....	Philadelphia
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Submarine Armor & Diving Apparatus.

BIRD & HIGGINS (see page 122), 240 Princeton.....	East-Boston
HALE ALFRED & CO. (see page VI) 166 Washington.....	Boston
MORSS ANDREW J. (see page 126) 210 Commercial.....	"
MORSE ANDREW J. & SON, 138 & 140 Congress.....	"
Townsend G. W. 17 Court.....	"

Surveyors.

(Marine.)

Cram George W. 23 Central.....	Boston
Frazar George, 28 State.....	"
Hall George, 20 Liverpool.....	"
Paine Edgar, 103 State.....	"
York G. H. 62 Putnam.....	"
Johnson Capt. J. V. 106 Thames.....	Baltimore
Johnson Charles R. Thames.....	"
Lucas Capt. Thomas, Thames.....	"
Myers Capt. William, Brown's whf.....	"
Sanford Capt. John L. 240 N. Eutaw.....	"

Surveying Instrument Manufacturers.

STACKPOLE & BROS. (see page 222) 41 Fulton.....	New-York
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*** Surveyor (Chief) of Iron Vessels.**

REANEY WILLIAM B. (see page 294) 307 Walnut..	Philadelphia
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*** Tackle Blocks—Iron.**

LAUGHLIN THO. & SON (see p. 22), 16 & 18 Centre, Portland, Me	
VAN WART & MCCOY, 134 Duane.....	New-York

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

* Tailor—Merchant.

BRENNER M. (see page 248) Pratt ne cor Frederick.....Baltimore

* Tallow—Refined.

Elkinton Lindley M. (see page 352) 116 Margaretta.....Philadelphia

* **Tar and Tarred Rope.**

Baltimore Coal Tar Co. 59 S. Charles.....Baltimore

Elizabethport Steam Cordage Co. (see page 208) 46 South, New-York

Timber Dealers—Ship.

ROBINSON J. D. (see page 18) King whf next to railroad...Bath, Me

DEERING J. W. (see page 42) Richardson's whf. Portland, "

SIMONTON & LADD (see page 46), Holyoke's whf. " "

TAYLOR LORENZO (see page 46), 178 Commercial... “ “

Holyoke Caleb & Son.....Brewer, “

Holyoke F. H. & Co.....	“	“
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Holyoke John & Son..... “ “

EMERY HIRAM, 27 Doane.....Boston

Huckins P. S. & J. B.	190	Border.....	"
J. H. & C.	186	D.....	"

Jones Henry & Co. 180 Border.....	“
M. C. & F. 150 Border.....	“

McQuesten & Fogg, 170 Border nr Central whf..... “

Stetson & Pope, 10 State.....	“
Thompson & Pope, 10 State.....	“

Trickey & Jewett, 21 Kilby..... “
Wadsworth, S. & Co., 14 State..... “

Wadsworth, Sawyer & Co. 14 State..... "

Potter James A. & Co. 26 Westminster.....Providence, R. I.
 DURYEE JOSEPH W. (see page 180) 258 Cherry.....New York

DURYEE JOSEPH W. (see page 180) 258 Cherry.....New-York
LAYNE B. F. & CO. (see page 176) 78 & 80 Butternut.....“

JAYNE B. F. & CO. (see page 176) 78 & 80 Rutgers slip
SMITH I W & W F (see page 176) ft Kent

SMITH J. W. & W. F. (see page 176) ft Kent,
Greenpoint.....Brooklyn, N. Y

Timber, Southern and Yellow.

DEERING J. W. (see page 42) Richardson's whf.....Portland, Me

LEWIS & HALL (see page 96), 9 Merchants' row.....Boston

MOSELEY, WHEELWRIGHT & CO. (see page 96) 44 Kilby “

* Travelers—Elastic.

COFFIN & WOODWARD (see page 54), 224 State.....Boston

* Travelers—Ring.

Butler, Brown & Co. 34 Exchange pl. Providence, R. I

Wilson G. F. 59 S. Water..... " "

* **Traveling Bags.**

BECK J. (see page 328) 147 W. Baltimore.....Baltimore

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Caboozes and Galley Outfits

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Transportation Agents and Companies.

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American Steamboat Co. Providence & Newport, F.		
Moran supt, Steamboat whf.....	Providence, R. I.	
Clyde Iron Steam Line, Stephen D. Andrews agt,		
Smith's whf, India.....	"	"
Eastern Transportation Line, W. F. Waterman agt,		
37 Weybosset.....	"	"
Erie & North Shore Line, J. A. Deveraux agt, 23		
Custom House.....	"	"
Merchants' S. Line, Fox Point whf, Z. Williams agt	"	"
People's S. Co. Arthur F. Dexter agt, 7 Exchange pl	"	"
Providence & Fall River Line, T. H. Brownell agt,		
71 S. Water.....	"	"
Providence & New-York Steamship Co. Fox Point		
whf, Z. Williams agt, 18 Westminster.....	"	"
Providence, Norfolk & Baltimore Steamship Co. E.		
H. Rockwell agt, N. India ft Brook.....	"	"
Stonington Steamboat Co. J. B. Gardner agt, 5		
Weybosset.....	"	"
Union Steamboat Co. Dwyer opp Custom House...	"	"
Winsor Line, George A. Kilton agt, ft S. Main.....	"	"
New-Haven Transportation Co. L. A. Merriman agt....	New-Haven, Ct	
Norwich & New-York Transportation Co.....	Norwich, "	
Allen Hugh, 91 Wall.....	New-York	
Alvord & Downs, 118 South.....	"	
Ames & Williams, 7 South.....	"	
Benedict Eli, pier 41 N. River.....	"	
Benjamin Charles T. 108 Broad.....	"	
Breed Orson, 10 Old slip, 76 Water and pier 7 E. R.....	"	
Bulkley Theodore A. 91 Wall.....	"	
Burdell Charles E. 49 Cedar.....	"	
Caleb M. M. & Co. 7 Coenties slip.....	"	
Compton Oscar, 142 Broad.....	"	
Crossmond L. D. & Co. 25 Liberty and 56 Maiden lane...	"	
Egerton William C. 31 Coenties slip.....	"	
Fales David & Co. 142 Broad.....	"	
Favill Josiah M. 142 Broad.....	"	
Gildersleeve James F. 152 South.....	"	
Gillespie John D. C. 72 Wall.....	"	
Glover George H. & Co. 108 Front.....	"	
Graham Charles D. 88 Wall.....	"	
Keiley John D. jr. 52 Broadway.....	"	
Kimball Thomas, 8 South.....	"	
Loyd & Murray, 31 Coenties slip.....	"	
Luttgen Frederick W. 122 Church.....	"	
Mabb T. W. & Co. 7 South.....	"	

Baltimore Copper Paint is perfectly pure.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

Transportation Agents and Companies.—Continued.

Merchants' Despatch Transportation Co. 335 Broadway....	New-York
Moller A. & Co. 49 Cedar.....	"
Neal Dennis K. 148 Pearl.....	"
Northern Transportation Line, 33 Coenties slip.....	"
Old Dominion S. S. Co. 197 Greenwich and pier 37 N. R..	"
Ray Warren, 120 Wall.....	"
Robe Henry C. 7 South.....	"
Saxton & Seabury, 112 South.....	"
Sherman B. L. 91 Wall.....	"
Starin's City, River & Harbor Transportation, 125 Broad..	"
Stark Lucius J. N. 33 Coenties slip.....	"
Stevens Charles A. 108 Broad.....	"
Swiftsure Trans. Co. pier 10 N. R. and pier 12 E. R.....	"
Underwood William J. 24 Old slip.....	"
Vanvleck Robert B. 88 Wall.....	"
Warfords, Robinson & Co. 19 Coenties slip.....	"
Western Transportation Co. 91 Wall.....	"
Widmayer & Bothof, 202 Broadway.....	"
White Robert Cornell, 154 South.....	"
Wilkie Mortimer, 171 Broadway.....	"
Williams R. L. & Co. 108 Broad.....	"
Anchor Line, 42 S. 5th.....	Philadelphia
Atwood John H. 5 Walnut.....	"
Bitners & Co. 812 Market.....	"
BROCKIE WILLIAM, 101 Walnut (see page 288).....	"
Chesapeake, Del. & Hudson T. Co. 12 S. Delaware ave..	"
CLYDE WILLIAM P. & CO. 12 S. Delaware ave.....	"
Crossmond L. D. & Co. 330 Walnut.....	"
Cummings Charles H. 205 N. Water, 204 N. Del. ave...	"
Devenny Henry J. Brainbridge st whf.....	Schuylkill,
Duckett Washington, 314 Christian.....	"
Empire Transportation Co. 1125 Girard.....	"
Express Line to Washington & Alexandria, 12 S. Dela- ware ave.....	"
Express Steamboat Co. bet Philadelphia & New-York, 12 S. Delaware ave.....	"
Hartford Propeller Line, 132 S. Delaware ave.....	"
Hough Isaac & Morris, 320 S. Delaware ave.....	"
JAMES WILLIAM L. 416 S. Delaware ave.....	"
Johnson Lawrence & Co. 324 Walnut.....	"
Laughlin John, 18 N. Delaware ave.....	"
Mackey, Steen & Co. 111 Walnut.....	"
Massey & Tucker, 5 Walnut.....	"
Patterson Robert & Son, 138 N. Delaware ave.....	"
Peipher's Line, Willow st whf.....	"
PHILADELPHIA & SOUTHERN TRANSPORTA- TION CO. 416 S. Delaware ave.....	"

Transportation Companies and Agents.—Continued.

Potts & McCauley, 237 N. Water and 242 N. whvs.....	Philadelphia
Prentzel Samuel D. jr. 1224 Market.....	"
Sonder & Adams, 112 Walnut.....	"
Stetson D. S. & Co. 14 N. Delaware ave.....	"
Taggart Edward B. 50 N. Delaware ave.....	"
Wattson Thomas & Sons, 214 N. Delaware ave.....	"
WRIGHT PETER & SONS, 307 Walnut.....	"
Bush George W. & Son, ft French.....	Wilmington, Del
Warner Chas. & Co. ft Market.....	"
Dismal Swamp T. Co. Henry Roberts agt, ft Commerce.....	Norfolk
Norfolk, Princess Ann & Currituck Line, A & C Canal whf..	"
Pioneer T. Co. W. A. Eldredge agt, Water ft Foster's lane....	"

Transportation Companies.

(Freight Agents.)

Abbot Abiel, 53 South and pier 8 N. R.....	New-York
Ames John F. pier 38 E. R.....	"
Bailey Charles F. 335 Broadway.....	"
Baker Frederick, pier 36 N. R.....	"
Ballard John, 175 Broadway.....	"
Benedict Eli, pier 41 N. R.....	"
Best Samuel F. 119 Front.....	"
Bissell Charles H. 175 Broadway.....	"
Brainerd C. E. B. 397 Broadway.....	"
Breed Orson, 10 Old slip.....	"
Briggs J. & N. pier 12 E. R.....	"
Brooke Edwin K. 21 South.....	"
Carr Humphrey W. 229 Broadway.....	"
Carson William C. 335 Broadway.....	"
Clarke John F. 1 Astor House.....	"
Clarke & Seaman, 86 West.....	"
Cottingham James A. 104 West.....	"
Cross Cornelius V. 252 Broadway.....	"
Dalzell William, pier 7 N. R.....	"
Davis George & Co. 61 Liberty.....	"
Dealey James S. 7 Coenties slip.....	"
Defriest Alburtus B. pier 36 E. R.....	"
Deveau Edward A. pier 33 N. R.....	"
Dimock Henry F. pier 11 N. R.....	"
Douglas N. L. pier 39 N. R.....	"
Dumont Theodore S. 9 Astor House.....	"
Edgerly Daniel G. ft W. 33d.....	"
Edmiston James, 50 Exchange pl.....	"
Flournoy Robert C. 4 Warren.....	"
Freeman Elisha P. 271 Broadway.....	"
Gage C. H. & Co. 105 Broad.....	"

Ship's Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

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J. P. NEWMAN, Norfolk, Va.

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Successors to D. C. CROWELL,

SHIP BROKERS

AND

General Commission Merchants,

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CONSULTING ENGINEERS.

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Railroad, Steamboat and Mill Supplies,
IRON, STEEL, PAINTS AND OILS.

*Steam Engines, Boilers, Tools and Machinery; Belting, Packing,
Lace Leather, Copper Rivets and Burrs; Gum and Leather
Hose; Wrought Iron Pipe and Fittings; Globe Valves,
Steam Cocks, Whistles, Oil Cups, Waste, Files,
Lamps, Lanterns, White and Red Leads
and Copper Paints.*

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Near Ferry Wharf,

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Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Transportation Companies.—Continued.

Geagen William, 335 Broadway.....	New-York
Geer Oliver J. pier 4 N. R.....	"
Gladwish William E. 12 South.....	"
Hamilton E. J. & Co. pier 49 N. R.....	"
Hand James, 119 Wall.....	"
Hasell Bentley D. 317 Broadway.....	"
Henderson Bros. 7 Bowling Green.....	"
Hermance Jacob & Co. ft Jay.....	"
Hovey Myron H. 291 Broadway.....	"
Howes Benjamin F. 117 Broad.....	"
Hunt John R. pier 33 N. R.....	"
Jones Samuel B. 319 Broadway.....	"
Kenyon Joseph C. 226 South.....	"
Ketcham George, pier 13 N. R.....	"
Key Henry H. & Co. 39 South.....	"
Kimball Thomas, 8 South.....	"
Kirkpatrick William, pier 10 N. R.....	"
Koch John O. 10 Old slip.....	"
Lane Eber, pier 34 N. R.....	"
Leech & Co. 1 Astor House.....	"
Lockyer T. & Co. pier 26 E. R.....	"
Lowden Robert, 93 West.....	"
Lowe & Roberts, pier 25 E. R.....	"
Luckey Samuel, 148 Pearl.....	"
Mangam Henry H. pier 28 N. R.....	"
Miller D. C. & F. W. pier 12 E. R.....	"
Moe Nathaniel R. 102 Wall.....	"
Monell William A. 696 Broadway.....	"
More George O. pier 14 N. R.....	"
Mulford John, 349 Broadway.....	"
Muller August E. 130th nr Third ave.....	"
Shutter Charles, 241 Broadway.....	"
Slater R. pier 30 N. R.....	"
Southwick Benjamin W. 9 Astor House.....	"
Stanford William H. 197 Greenwich.....	"
Starin John H. 125 Broad.....	"
Swords E. J. 263 Broadway.....	"
Vandemark W. G. 319 Broadway.....	"
Ward Adam H. 241 Broadway.....	"
Watson K. 241 Broadway.....	"
White R. C. pier 37 E. R.....	"
Whittaker John, pier 38 N. R.....	"
Wilds Albert T. 271 Broadway.....	"
Wilgus James H. 9 Astor House.....	"
Williams R. L. 241 Broadway.....	"
Williamson Charles F. 117 Broad.....	"
Williamson Matthias, pier 30 N. R.....	"
Wyckoff Peter H. 119 Liberty.....	"

Baltimore Copper Paint is equal to any in use.

Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.

CHARLESTON.

MASTERS OF VESSELS,

As well as others therein concerned, are required to make themselves properly acquainted with, and in all cases to act in due conformity with, the following

PORT REGULATIONS.

EVERY VESSEL, PREVIOUS TO HAULING INTO DOCK, MUST HAVE HER YARDS PROPERLY TOPPED, AND BOOMS, ETC., RIGGED IN. SEE 4TH AND 7TH REGULATIONS.

The following Ordinance, amending the Port Regulations respecting vessels' jib-booms, was passed and ratified in City Council, February 11th, 1851 :

"Be it ordained by the Mayor and Aldermen of the City of Charleston in City Council assembled, and by authority of the same, That the Fourth Regulation, as contained in the first section of an Ordinance entitled 'An Ordinance to Establish Regulations for the Port of Charleston, defining the Duties of the Harbor Master, and concerning Passengers in vessels arriving at said Port,' and ratified the second day of September, 1840, be and the same is hereby altered and amended, so that the Harbor Master and his Assistant shall be authorized to use their discretion in allowing jib-booms of vessels hauled into any dock or wharf to remain rigged out, where, in their judgment, no other vessel will be prejudiced thereby."

Every ship, vessel, and steamer lying within any part of the port and harbor, excepting such as are in the docks or at the wharves, must have a good light, placed conspicuously amidships, and twenty feet above the deck of the vessel, to be kept burning from dark until daylight. Penalty, twenty-five dollars for every offense or neglect of the same.

PORT WARDENS.

W. Bird, Chairman of the Board ; C. C. Trumbo, H. G. Thomas, J. B. Wright, B. G. Moncrief ; office, Exchange st.

APPRAISERS AND INSPECTORS.

City Appraiser—John N. Gregg (colored). Assistants—T. H. Jones (colored), and J. A. Musington (colored).

City Inspectors—Joseph T. Walker (colored), and Garrett Byrns.

Inspectors of Timber and Lumber—J. J. Houston (colored), J. H. Brawley (colored), C. S. Jenkins, Michael Moran, S. L. Bennett, and George J. Kelly.

Inspectors of Naval Stores—W. T. Oliver (colored) and P. Dolan.

Gaugers of Liquor—Charles L. Dubos and Charles M. Olsen.

RATES OF TOWAGE.

SQUARE RIGGED VESSELS.

From sea to Wilmington and to sea again.....	.35 cents per ton
" Smithville, or above, to Wilmington and to sea.....	30 " "
" Wilmington to sea.....	25 " "

SCHOONERS OVER 300 TONS.

From sea to Wilmington and to sea again.....	\$100
" Smithville to Wilmington and to sea.....	90
" Wilmington to sea.....	75

SCHOONERS UNDER 300 TONS.

Schooners taken as per agreement, according to draft of water.

Hawser hire, each time, \$10.

Disabled vessels or vessels in distress are not included in above rates ; bargains made with them according to circumstances.

RATES OF LIGHTERAGE.

On Spirits Turpentine, per cask.....	\$0 25
" Rosin, per barrel.....	20
" Tar,.....	20
" Iron, per bar.....	50
Salt and other articles, per ton.....	1 50
Lumber, per M.....	4 00

These rates apply to over the Rip ; less distances per agreement.

TIDE-TABLE—CHARLESTON BAR.

Low water, from 9 to 12 feet ; high water, from 14 to 18 feet.

Insurance of ships was first practiced in the reign of Cæsar, in the year 45 ; it was a general custom in Europe in 1494. Insurance offices were first established in London in 1657.

Transportation Companies.

(*Packet Agents.*)

Brooks H. C. & Co. (Australian) 67 Commercial whf.....	Boston
Coombs J. R. 127 Commercial.....	"
Davis F. G. 67 Commercial.....	"
Glidden & Williams, Sears' Building.....	"
Lovell Cornelius & Son, Commercial whf.....	"
Mayo Hezekiah (Philadelphia & Baltimore), 34½ India whf....	"
Peabody H. W. & Co. (Australian) 41 India whf.....	"
Sears J. Henry & Co. (New-Orleans) 92 State.....	"
Siders C. & Co. 119 Commercial.....	"
Thayer & Lincoln (Atlantic), 114 State.....	"
Walter John & Co. 168 State.....	"
Warren & Co. (Liverpool & Boston) 132 State.....	"
Welch S. & Co. 129 State.....	"
Winsor N. & Co. 75 State.....	"
Woodward H. E. & Co. 222 Broad.....	"

* Treenails.

ROBINSON J. D. (see page 18) King whf next to railroad..	Bath, Me
Parsons John, Effingham Falls.....	Effingham, N. H
JONES HENRY & CO. (see page 100) 180 Border.....	East-Boston
McQUESTEN & FOGG (see page 100), 170 Border.....	"
JAYNE B. F. & CO. (see page 176) 78 & 80 Rutgers slip..	New-York

* Trimmings and Fastenings—Ship.

Torrey J. G. & Son.....	Rockland, Me
Blake William & Co. Allen.....	Boston
Bliss Bros. 168 Commercial.....	"
Foster & Roby, 178 & 180 Commercial.....	"
Morss A. S. 210 Commercial.....	"

* Trunks.

BECK J. (see page 328) 147 W. Baltimore.....	Baltimore
--	-----------

Tubes, Brass and Copper—Seamless.

AMERICAN TUBE WORKS, 97 State.....	Boston
BENEDICT & BURNHAM MNFG. CO. (see back cover) 55	
& 57 Oliver.....	"

Tug Boats and Towing.

Ross & Howell.....	Bangor, Me
Calais Tug Boat Co.....	Calais, "
Willard William.....	Portland, "
Winslow J. S. & Co.....	" "
Baker L. F. 2d, 99 Commercial.....	Boston
BOSTON TOW BOAT CO. end T whf.....	"

New-Bedford Caboosees and Cabin Stoves. D. C. Smull, 60 W. Pratt St., Baltimore.

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RIGGING in all its branches, attended to by Capt. J. B. KING in person.

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Constantly on hand a full line of *Groceries, Liquors and Ship Stores*, at wholesale. *Vessels supplied with full outfits*, at the lowest possible prices. All goods sold by us are warranted as represented. *Manilla Rope, Oars and Marline. Canned Goods*, a full stock.

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Bilge Bolts. Manufactory, Bath, Me.**

Tug Boots and Towing.—Continued.

Davis John, 1 Commercial whf.....	Boston
Jacobs B. F. Lincoln's whf.....	"
Rogers & Sears, 105 Commercial.....	"
Sprague T. B. 111 Commercial.....	"
RAWSON & HITTINGER (see opp. index), 72 Main	
	Cambridgeport, Mass
Albin & Petty, pier 31 E. R.....	New-York
Austin Jeremiah J. 17 South.....	"
Baxter Steam Canal Boat Transportation Co. 54 Exchange pl	"
Berry Albert R. 23 South.....	"
Chamberlain Charles, 162 South.....	"
Chase Daniel C. 377 West.....	"
Cornell Thomas, 41 Jay.....	"
Cox David, 111 Broadway.....	"
Cranston William H. 167 Maiden lane.....	"
Crossett Henry B. 383 West.....	"
Dutch Alfred & Son, 61 South.....	"
Egerton James O. Pier 6 E. R.....	"
Erie Canal Steam Towing Co. 155 Broadway.....	"
Fernald Thomas S. 43 South.....	"
Fernald William D. 43 South.....	"
Garlick George L. 15 South.....	"
Gibbs & Co. 52 South.....	"
Gunning William, 129 Broad.....	"
Hilliard George, pier 62 E. R.....	"
Hollenbeck Crary, 26 South.....	"
Huelat Henry H. 83 South.....	"
Kenzel Charles W. 85 South.....	"
Luckenbach L. & F. 22 South.....	"
Marshall William, 69 South.....	"
Martin William H. 40 South.....	"
Murtagh William, 9 Coenties slip.....	"
Myers J. & E. 371 West.....	"
Nickerson Alvah C. 129 Broad.....	"
N. Y. Harbor Tow Boat Co. 206 West.....	"
Parker Ward R. 46 South.....	"
Pease William & Son, 30 South.....	"
RAYMOND & ELLIS (see page 248), 75 South.....	"
Reeves William, 87 Dey.....	"
Schultz P. C. & Son, 216 West.....	"
Shea & Knapp, 142 Broad.....	"
Sherwood Amos C. pier 39 N. R.....	"
Smith George H. 56 West.....	"
Snow John W. 10 South.....	"
Studwell Charles M. 22 South.....	"
Swift Henry C. 129 Broad.....	"
Taylor Thomas, 32 Moore.....	"

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Rates of Pilotage.

FOR THE BAR AND HARBOR OF CHARLESTON.

For 6 feet, or under.....	\$15 00	For 14 feet, or under.....	\$54 00
For 7 feet, or under.....	16 50	For 14½ feet, or under.....	60 00
For 8 feet, or under.....	18 50	For 15 feet, or under.....	66 00
For 9 feet, or under.....	21 00	For 15½ feet, or under.....	69 00
For 10 feet, or under.....	25 50	For 16 feet, or under.....	84 00
For 11 feet, or under.....	33 00	For 16½ feet, or under.....	100 00
For 12 feet, or under.....	40 00	For 17 feet, or under.....	120 00
For 12½ feet, or under.....	44 00	For 17½ feet, or under.....	150 00
For 13 feet, or under.....	45 00	For 18 feet, or under.....	180 00
For 13½ feet, or under.....	50 00		

PILOT BOATS OF CHARLESTON.

No. 1. Wild Cat.....Capt. Thomas Jones.	No. 5. Governor Perry..Capt. George W. Davis.
" 2. Mystery....." Isaac B. Smith.	" 6. Almada....." E. Jenkins.
" 3. Pride....." Samuel S. Hancock.	" 7. Olive Branch....." Edward Jenkins.
" 4. Atlanta....." W. T. McDonald.	" 8. Estelle....." E. C. Myatt.

The pilots are licensed by three commissioners, who are appointed by the Governor; they are required by law to be "three seafaring men, one of whom shall be a first-class pilot."

The following are the Commissioners of Pilotage:

William E. Mosemann. York Moultrie. (Colored) Capt. Prince.

PILOTS.	BRANCH.	PILOTS.	BRANCH.
George W. Davis.....	full.	Samuel Calker.....	12 feet.
John W. Wigg.....	"	T. J. Lockwood.....	full.
Charles Thompson.....	"	Isaac B. Smith.....	"
Charles Camp.....	12 feet.	Edward Morse.....	"
Henry Rohtert.....	full.	Frederick Fischer.....	9 feet.
Edward Jenkins.....	12 feet.	Henry B. Burrows.....	full.
R. W. Lockwood.....	full.	E. M. Middleton.....	"
Joseph German.....	14 feet.	Thomas Jones.....	"
Benjamin E. Aldert.....	full.	William J. Burt.....	"
Joseph E. Aldert.....	"	John Corninghan.....	"
Edward S. Davenport.....	"	Samuel S. Hancock.....	"
W. T. McDonald.....	"	James Evans.....	"
Samuel Chapman.....	"	Richard P. Wish.....	"
Samuel G. Bringloe.....	"	William H. James.....	"
S. Adkins.....	"	Isaac McDonald.....	"
Samuel Bell.....	"	William P. Lee.....	"
York Moultrie.....	"	W. H. Smith.....	"
Thomas Putman.....	"	John Morse.....	12 feet.
James Chapman.....	9 feet.	Joseph Watson.....	12 "
E. C. Myatt.....	full.	George McDonald.....	9 "

Port Charges of Savannah.

Harbor Fees.—1½ cts. per ton.	
City Tax.—½ per cent on inward freight.	
Port Wardens.—Noting protest.....	\$1 00
Hatch survey.....	3 00
Cargo.....	7 50
Extending Protest.....	15 00
Towage.—Large tonnage, 20 cts. per ton, loaded; 15 cts. per ton, light.	
Small tonnage, \$25 @ \$40.	
River towage, \$8 @ \$20.	
Labor.—\$1.50 per day for labor; \$5 per day for horse.	
Stevedoring—Loading.—Lumber, 50 cts. @ \$1.15 per 1000.	
Timber, \$1 @ \$2.25 per 1000.	
Cotton, foreign, 60 cts. @ 70 cts. per bale; coastwise, 30 cts. @ 40 cts. per bale.	
Compressing.—50 cts. per bale. Lighterage, 35 cts. per bale, to Venus' Point.	
Wharfage.—Paid by cargo.	
Dockage.—\$1.50 per day if vessel lies idle.	

GENERAL REMARKS.

Vessels lying in the stream at night must display a bright light from a conspicuous place.
Vessels having powder on board must drop anchor in the stream, and land same in boats.
No ballast or rubbish of any description must be thrown into the river under heavy penalty.

Masters or owners of vessels requiring pilots or pilot license can obtain them by applying at the office of the Board of Pilots, 83 Thames st., Baltimore.

RATES OF PILOTAGE.

Vessels drawing 15 feet and over.....	\$5 00 per foot.
From 12 to 15.....	4 00 "
Vessels drawing less than 12 feet.....	3 50 "
Detention, extra.....	3 00 per day.

Use F. B. Torrey's Patent Compressed Roller Bushing. Manufactory, Bath, Me.

Tug Boats and Towing.—Continued.

Townsend George S. 386 South.....	New-York
Valentine Abraham B. 41 Jay.....	"
Vanburen Matthew, 8 South.....	"
Warfords, Baker & Co. 19 Coenties slip.....	"
White Henry K. 23 South.....	"
Young James F. 284 South.....	"
CHURCHMAN F. A. & CO. 410 S. Delaware ave....	Philadelphia
Clyde William P. & Co. 12 S. Delaware ave.....	"
Delaware & Chesapeake Tow Boat Co. 12 S. Del. ave....	"
Dever Edward, 140 Walnut.....	"
Flanagan S. & J. M. 420 S. Delaware ave.....	"
Frazer J. T. 810 S. Delaware.....	"
Holden S. A. 410 S. Delaware ave.....	"
Holeman William, 309 Walnut.....	"
LAUGHLIN JOHN (see page 272), 18 N. Delaware ave.	"
McCarthy Patrick, 502 S. Delaware ave.....	"
McGUIRE & BRYANT (see page 302), 426 S. Front.	"
Perkins Benjamin F. 502 S. Delaware ave.....	"
PRIDE GEORGE W. 500 S. Delaware ave.....	"
Titus Charles W. 502 S. Delaware ave.....	"
Wood George, 251 E. Girard ave.....	"
Coyne John & Co. Boyce's whf and 95 W. Lombard.....	Baltimore
HOLMES, SHAW, BROWN & CO. (see page 280) office 426 Walnut.....	"
Johnson S. M. & Co. 43 S. Gay.....	"
Jones Alexander, 81 Thames.....	"
Rauch & Bowen, Commercial whf.....	"
TEEMYER J. H. & CO. 5 Post Office ave.....	"
Zane & Co. 35 Commerce.....	"
TEEMYER J. H. & CO. 341 Pennsylvania ave.....	Washington

*** Twine Manufacturers.**

WILLIAMS RICHARD B. (see page 256) 46 & 48 N. Delaware ave.....	Philadelphia
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*** Umbrellas and Canes.**

BECK J. (see page 328) 147 W. Baltimore.....	Baltimore
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Underwriters' Agents.

Boston Fire Underwriters' Union, 28 State (room 35).....	Boston
Curtis C. T. sec, 18 Merchants' Exchange.....	"
Coggeshall T. & J. agents.....	Newport, R. I
HAYWARD JAMES W. (see page 192) 47 William.....	New-York
TELFAR JACOB R. (see page 188) 56 Wall.....	"
Crellin Thomas, Water cor Commerce.....	Norfolk

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SHIP AND INSURANCE BROKER

AND

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Cor. Main and Commerce Sts.,

NORFOLK, VA.

COMFORT AND CONVENIENCE THE CHIEF AIM.

Terms, \$2 per Day.

In connection with the House there is a First-Class BAR ROOM, supplied with Creature Comforts incident to a FIRST-CLASS ESTABLISHMENT.

J. F. GRAVES, Clerk.

A. J. MANNING, Propr.

JAMES POWER & CO.,

DEALERS IN

Scrap Iron and all kinds of Old Metals,

ALSO NEW AND SECOND-HAND

Anchors, Chains and Machinery of all descriptions,

52 WEST FIRST STREET, BOSTON, AND

ROWLAND'S WHARF, NORFOLK, VA.

JAMES POWER, }
P. H. POWER, } BOSTON.

WM. A. POWER, }
JAMES POWER, } NORFOLK,
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O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

Use F. B. Torrey's Patent Compressed Butt and Bilge Bolts. Manufactory, Bath, Me.

THE VIRGINIA PILOT LAW.

APPROVED MARCH 13, 1872.

AN ACT,

To repeal Sections one, two, three, four, five, six, nine and ten, of the Act entitled an Act to amend and re-enact and repeal certain Sections of the Code of Virginia in relation to pilots, passed February 19th, 1866, and to amend and re-enact Sections one, seven, eleven, thirteen, fifteen, seventeen, twenty-four, and twenty-eight, of Chapter Ninety-two, of the Code of eighteen hundred and sixty.

1. Be it enacted, by the General Assembly of Virginia, That the first section of an act to amend and re-enact, and repeal certain sections of the Code of Virginia, in relation to Pilots, passed February nineteenth, eighteen hundred and sixty-six, be and is hereby repealed; and the first section of Chapter Ninety-two of the Code of eighteen hundred and sixty is hereby re-enacted, so as to read as follows:

Sec. 1. The Court of Elizabeth City County shall appoint five persons to constitute a Board of Commissioners, to examine persons applying for branches as pilots, who shall meet at the town of Hampton; and the Hustings Court of Norfolk City, an equal number, to constitute a Board of Commissioners for the same purpose to meet at the City of Norfolk.

2. The Third Section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby repealed.

3. The Second Section of the act aforesaid is hereby repealed; and the Seventh Section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby re-enacted to read as follows:

Sec. 7. Every pilot, or the Company to which he belongs, shall keep one sufficient boat of at least eighteen feet keel, which he shall be attached to and cruise in, and any one acting as a pilot without having such a boat, shall forfeit one hundred and fifty dollars.

4. The Third Section of the act aforesaid is hereby repealed; and the Eleventh Section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby amended and re-enacted to read as follows:

Sec. 11. If any person not authorized by law, or any pilot after removing from the State, shall undertake to conduct or pilot a vessel to or from sea, or to or from any port or place in Virginia, or if any master or person on board any steamboat or tow-boat, not towing exclusively on the James or Elizabeth rivers, shall tow a vessel to or from sea, or to or from any port or place in Virginia, except as authorized by this act, without having a pilot on board such vessel, if one shall offer his services, he shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall be imprisoned in the county or city jail for not less than one nor more than three months, and fined any sum, not exceeding one hundred dollars, at the discretion of the Court, and any master employing any person not authorized by law, or any pilot who has removed from the State, or any steamboat or towboat not towing exclusively on James or Elizabeth rivers, when such boat is not authorized by law to conduct his vessel, to act as a pilot of his vessel, shall forfeit and pay one hundred dollars to any regular branch pilot who shall sue for the same; and warrants for such offenders may be issued upon the oath of any party complaining, by any justice of the peace of any county, or mayor or justice of the peace of any city, in this State, in which such offender may be at the time; and, upon proof of probable cause, the offender shall be bound, with security in due form of law, to appear at the next term of the Circuit, County or Hustings Court, of said county or city, for trial of such misdemeanor; and the Circuit, County or Hustings Court, of said county or city, shall have jurisdiction for the trial thereof, as in other cases of misdemeanor.

5. The fourth section of the act aforesaid is hereby repealed; and the thirteenth section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby re-enacted to read as follows:

Sec. 13. The master of every vessel (other than a coasting vessel having a pilot license) inward bound from sea, shall take the first Virginia pilot that offers his services, Cape Henry bearing west of South; and any such vessel outward bound, shall take the first pilot that offers his services west of Old Point Comfort; and any master refusing to do so, shall immediately pay to the said pilot full pilotage from sea to Hampton Roads, or from Hampton Roads to sea, as the case may be; but no master of a vessel coming from sea shall be compelled to take a pilot after arriving within the line at which Cape Henry bears West of South.

6. The fifth section of the act aforesaid is hereby repealed; and the fifteenth section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby re-enacted to read as follows:

Sec. 15. No master shall be required to have a pilot to conduct his vessel or steamboat above Hampton Roads, Yorktown, Mobjack Bay, Urbana, or Smith's Point on the Potomac; but he may by himself, or by any person regularly employed on board, pilot his own vessel, or he may employ the services of any towboat regularly employed on the James or Elizabeth rivers to pilot his vessel; provided, that should the master of such vessel employ a pilot, he shall not employ any other than a branch pilot, under the penalty prescribed in the second clause of section eleven of this act.

7. The sixth section of the act aforesaid is hereby repealed; and the seventeenth section of Chapter Ninety-two, of the Code of eighteen hundred and sixty, is hereby amended and re-enacted to read as follows:

Sec. 17. Pilots shall have pilotage at the following rates: For every registered vessel owned by citizens of the United States, and for every vessel owned by a citizen or subject of any foreign State, whose vessels are, by treaty, placed on the same footing as vessels of the United States, if the vessel be spoken or boarded eastward of Cape Henry, there shall be paid for each foot the vessel draws, as follows:

From sea to Hampton Roads, or the compass buoys or Yorktown:	
Vessels drawing less than twelve feet.....	\$2 50
Vessels drawing twelve feet and less than sixteen feet.....	2 15
Vessels drawing sixteen feet and less than eighteen feet.....	3 85
Vessels drawing eighteen feet and upward.....	4 50

If the vessels shall be boarded or spoken twenty miles or more eastward of Cape Henry, twenty-five cents per foot shall be added to the foregoing rates.

From Hampton Roads, or the compass buoys, or Yorktown to sea, there shall be paid as follows:

Vessels drawing less than twelve feet.....	\$2 15
Vessels drawing twelve feet and less than sixteen feet.....	2 85
Vessels drawing sixteen feet and less than eighteen feet.....	3 50
Vessels drawing eighteen feet and upward.....	4 15

From Hampton Roads to Norfolk or Portsmouth, or any place between Hampton Roads and said places, seventy cents per foot.

From Hampton Roads to Jamestown, or any place between Hampton Roads and Jamestown, one dollar and ninety-five cents per foot.

From Hampton Roads to City Point or Bermuda Hundred, or any place between Jamestown and City Point and Bermuda Hundred, two dollars and sixty-five cents per foot. From Hampton Roads to Richmond, three dollars per foot; and the same rates of pilotage shall be paid from said places respectively, down to Hampton Roads. Vessels coming from sea to Hampton Roads, and from thence to any port in Maryland, shall be subject to the same law and rate of pilotage as vessels bound from Hampton Roads to sea; provided, that for all steam vessels plying regularly between any port in this Commonwealth and any foreign port, there shall be made a deduction of fifty cents per foot out of the foregoing rates from sea to Hampton Roads and from Hampton Roads to sea.

8. The ninth section of the act aforesaid is hereby repealed, and the twenty-fourth section of Chapter Ninety-two of the Code of eighteen hundred and sixty is hereby re-enacted to read as follows:

Sec. 24. If any pilot offers his services within the Capes to a vessel from sea and such services are received, he shall have only half the pilotage prescribed for conducting a vessel from sea to Hampton Roads.

9. The tenth section of the act aforesaid is hereby repealed; and the twenty-eighth section of Chapter Ninety-two of the Code of eighteen hundred and sixty is hereby re-enacted to read as follows:

Sec. 28. The first section of the act aforesaid is hereby repealed; and the branch entitled him to conduct, shall have the right to take charge of and conduct her into York River, Hampton Roads, Mobjack Bay, or to Urbana, or Smith's Point, aforesaid, and to receive the pilotage allowed by law.

10. This act shall be in force from its passage.

(A Copy.)

J. BELL BIGGER,

Clerk of House of Delegates, and Keeper of the Rolls of Va.

April 11th, 1872.

Bair Bros., Baltimore Copper Paint, cor. Pratt St. and Buchanan's Whf., Balto.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.



JAMES E. WRIGHT,
SHIP, HOUSE AND SIGN PAINTER,

Shop, 169 Water St.,

Norfolk, Va., next to Kimberly Bros.

JOSEPH A. ELLIS,
Ship Yard and Marine Railway,

NASH'S OLD STAND,

WATER STREET,

NORFOLK, VA.

NATHANIEL WHITEHURST,
SHIP JOINER,

Opposite Kimberly Bros.,

WATER STREET,

Norfolk, Va.

L. A. HALL & CO.,
COPPERSMITHS

AND

Ship Plumbers,

146 WATER STREET,

NORFOLK, VA.

S. W. HARTWELL,
Ship Stores and Chandlery

40 Water St.,

NORFOLK, VA.

WM. S. COOK & CO.,
HOUSE AND SHIP JOINERS,

Stair Builders and General Contractors.

Jobbing of all kinds solicited, and promptly attended to.

PORTSMOUTH, VA.

Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

*** Upholstery.**

DEGRAAF & TAYLOR (see page 238), 87 & 89 Bowery. New-York
GRATACAP P. A. (see page 242) 35 Fulton..... “

Steam Valves and Gauge Cocks.

Ashton's Lock Safety Valve Co. C. J. Bishop treas, 262 & 264
Perchase..... Boston
Braman, Dow & Co. 3 & 4 Haymarket sq..... “
Chapman Valve Mnfg. Co. 77 Kilby..... “
Peet Valve Co. T. Hill jr. treas, 152 Hampden..... “
The Peet Valve Co. 152 Hampden..... “

*** Varnishes.**

PEARL EDWARD (see page 82), 51 Kilby..... Boston

Ventilators.

(For Vessels and Steamships.)

NASH F. & C. B. (see page 38) 172 & 174 Fore..... Portland
NASH O. M. & D. W. (see page 38) 6 Exchange..... “
APPLETON J. & E. (see page 114) 382 Commercial..... Boston
SARGENT, WILD & CO. (see page F, back fly-leaves) 42 &
44 Clinton..... “
BURHANS & GEORGE (see page 252), 164 Maiden lane, New-York
WOOD JAMES P. & CO. (see page 306) 41 S. 4th... Philadelphia

*** Verdigris.**

LUCAS JOHN & CO. (see page 266) 141 & 143 N. 4th. Philadelphia

*** Vessels' Colors and Burgees.**

MARTIN JAMES & SON (see page 106), 114 Commercial.. Boston

Water Tanks.

(Ships' and Vessels'.)

Crooker Charles W..... Bath, Me
MOULTON GEORGE & SON (see page 18)..... “ “
Haley Nathaniel jr..... Kennebunkport, “
JORDAN G. E. (see p. 30) Cross bet Fore & Com'l... Portland, “
CAMPBELL BROS. & CO. (see page 66) 356
Main..... Cambridgeport, Mass
HILL & WRIGHT (see page 128), 45 Sumner..... East-Boston
HODGE E. & CO. (see page 76) Liverpool nr Central sq. “
LALLY JOHN (see page 128), W. 1st cor Granite.... South-Boston
MILES GEORGE (see page 76), 1st cor B..... “

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

D. C. Smull, 60 W. Pratt St., Baltimore, Md. Atlantic Cabooes and Galley Outfits.

Water Tanks.—Continued.

Noyes Person, 47 India.....Boston
 OSBORN LOUIS & CO. (see page 68) 74 Lewis.....East-Boston
 Peterson & Jameson, 410 Commercial.....Boston
 ROBINSON BOILER WORKS (see page 66), 28 State... “
 WARREN DAVID Jr. & CO. (see page 126) 323 Come'l... “
 KENDALL & ROBERTS (see page 66), Main...Cambridgeport, Mass
 Kelley E.....Fall River, “
 TIPPETT & WOOD (see page 150).....Phillipsburg, N. J

*** Watches, Clocks and Jewelry.**

BOND WILLIAM & SON (see page 80), 17 Congress.....Boston
 JOHNSTON J. H. (see opp back paster) 150 Bowery....New-York

*** Water.***(Supplying Vessels with.)*

KNOWLES, WATSON & CO. 2 Union whf.....Boston

*** Water Closets—Ships'.**

Torrey J. G. & Son.....Rockland, Me

*** Water Indicators.**

POLLOCK & VAN WAGNER (see page 210), 212 West, New-York

Wharf and Bridge Builders.

Andrew James N.....Biddeford, Me
 Moore William.....“ “
 Andrews D. H. 5 Court.....Boston
 BIRD & HIGGINS (see page 122), 5 Pearl pl, Boston,
 and 240 Princeton.....East-Boston
 Bixby & Cole, 17 Court.....Boston
 Boynton Bros. & Freeman, 22 Congress.....“
 DERRY, EDWARDS & WHITE, 68 Devonshire.....“
 Draper & Vaughn, 17 Court.....“
 Edwards Charles H. 17 Court.....“
 Kenrich W. A. 17 Court.....“
 Mayo W. G. 17 Court.....“
 National Bridge & Iron Co. 27 Pemberton sq.....“
 Norton W. A. 17 Court.....“
 Parker C. H. & Co. 27 Pemberton sq.....“
 Pierce, Montgomery & Howard.....Chelsea, Mass
 DUBOIS HENRY & SONS (see page 196), 119 South...New-York
 Bartle William H. 241 Richmond.....Philadelphia
 Pomell T. & Son, 418 S. Delaware ave.....“
 Powell J. & Son, 132 Walnut.....“
 Rothan William H. 325 Richmond.....“
 Taxis William W. 1016 N. Delaware ave.....“

White Lead.

Burgess, Fobes & Co. 80 CommercialPortland, Me
 FOLSOM C. E. & CO. (see page 82) 9 & 10 IndiaBoston
 Chambers Calder & Co. 10 Exchange pl.....Providence, R. I
 Gilman E. V.....Newport, "
 Johnson Oliver & Co. 13 Exchange pl.....Providence, "
 Colburn R. R. & Co.....Ansonia, Ct
 The New-Britain White Lead Co.....New-Britain, "
 HARRISON BROS. & CO. (see advt.) 179 WaterNew-York
 HARRISON BROS. & CO. (see advt.) 105 S. Front...Philadelphia
 LUCAS JOHN & CO. (see page 266) 141 & 143 N. 4th "
 SPEAR & COOPER (see page 298), 402 S. Delaware
 ave....."
 MILLER WILLIAM C. (see page 396) 93 E. Bay.....Charleston

*** Winches—Ship.**

BUCKLEY & MERRITT (see page 138), 156 South....New-York
 BURHANS & GEORGE (see p. 252), 164 Maiden lane "
 COFFIN & WOODWARD (see page 54), 224 State.....Boston
 WHITECAR JOSEPH (see page 260), 402 & 406 Penn.Philadelphia

Windlasses—Ship.

American Ship Windlass Co. 185 Eddy.....Providence, R. I
 COFFIN & WOODWARD (see page 54), 224 State.....Boston
 Copeland E. T. 25 Doane....."
 STONE HENRY N. (see page 80) 132 Commercial....."
 BUCKLEY & MERRITT (see page 138), 156 SouthNew-York
 BURHANS & GEORGE (see p. 252), 164 Maiden lane "
 SNELLING J. & CO. (see page 144) 158 South....."
 BIXLER W. H. H. 3 Covington.....Baltimore

*** Windlass Beams—Variable Power.**

COFFIN & WOODWARD (see page 54), 224 State.....Boston

*** Window Guards.**

AMERICAN TUBE WORKS, 97 State.....Boston

*** Wines and Liquors.**

DUFFY JAMES (see p. 220), 131 Pearl & 82 Beaver....New-York

Baltimore Copper Paint is perfectly pure.

**Tarr & Wonson's Patent Copper Paints. John C.
 Giffing, Agent, 31 South St., New-York.**

DAILY AND WEEKLY NORFOLK VIRGINIAN,

56 and 58 Roanoke Avenue,

GLENNAN & ADKISSON,**PROPRIETORS,****NORFOLK, VIRGINIA.****SUBSCRIPTION.**

Daily (including postage), \$5.40; Weekly (including postage), \$1.15.

The VIRGINIAN is an unrivaled medium through which the public of Eastern Virginia and North-Carolina may be reached. Its success has been without a parallel in the history of the press of Virginia, and we point to-day with pleasure at the extensive patronage it receives from the hands of the business men of Norfolk.

The Daily VIRGINIAN contains every morning a Summary of the latest foreign and domestic intelligence by telegraph, with full transcript of local matters. Its commercial department gives accurate quotations of foreign and home markets, receipts, statistics, etc.; and its marine intelligence of the ports of Norfolk, Portsmouth, and Hampton Roads is complete and full.

Its circulation is very extensive through the Eastern Shore, the Peninsula, the Northern Neck and Eastern and South-Western Virginia, and all through Eastern and Central North-Carolina. This is so especially of our Weekly Edition, its circulation, with one exception, being greater than that of any other paper published in the two States.

Below will be found our Advertising Rates, to which we call special attention. They will be found liberal. Merchants, Business Men and others will find it to their advantage to make use of our columns.

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☞ A square consists of 10 lines Nonpareil. On advertisements inserted every other day, a deduction of one fourth of rates is made.

RATES FOR THE DAILY.

SPACE.	1 week.	2 weeks.	3 weeks.	1 month.	2 mo'ths.	3 mo'ths.	6 mo'ths.	1 year.
1 Square.	\$2 50	\$5 00	\$6 50	\$8 00	\$15 00	\$21 00	\$36 00	\$60 00
2 Squares.	5 00	9 00	12 00	15 00	24 00	33 00	60 00	100 00
3 Squares.	7 50	13 00	17 00	21 00	33 00	44 00	78 00	133 00
4 Squares.	10 00	17 00	22 00	26 00	42 00	54 00	96 00	160 00
5 Squares.	12 50	20 00	26 00	30 00	48 00	63 00	120 00	186 00
$\frac{1}{4}$ Column.	15 00	25 00	35 00	42 00	66 00	80 00	160 00	236 00
$\frac{1}{2}$ Column.	28 00	45 00	60 00	70 00	125 00	160 00	300 00	475 00
1 Column.	48 00	75 00	100 00	120 00	200 00	275 00	500 00	900 00

RATES FOR THE WEEKLY.

SPACE.	1 week.	2 weeks.	3 weeks.	1 month.	2 mo'ths.	3 mo'ths.	6 mo'ths.	1 year.
1 Square.	\$ 75	\$1 00	\$1 50	\$1 75	\$3 00	\$4 00	\$7 00	\$12 00
2 Squares.	1 25	1 75	2 50	3 00	5 00	7 00	12 00	20 00
3 Squares.	1 75	2 50	3 50	4 00	7 00	9 00	16 00	27 00
4 Squares.	2 25	3 50	4 50	5 00	9 00	11 00	19 00	32 00
5 Squares.	3 00	4 00	5 00	6 00	10 00	13 00	22 00	37 00
$\frac{1}{4}$ Column.	4 25	5 00	7 00	8 00	15 00	18 00	32 00	48 00
$\frac{1}{2}$ Column.	7 50	9 00	12 00	14 00	25 00	32 00	60 00	90 00
1 Column.	13 00	15 00	20 00	24 00	40 00	55 00	100 00	175 00

*** Wire—Brass and Copper.**

BENEDICT & BURNHAM MNFG. CO. (see back cover)
 55 & 57 Oliver.....Boston
 ANSONIA BRASS AND COPPER CO. 19 & 21 Cliff..New-York

*** Wire, Iron.**

ANSONIA BRASS AND COPPER CO. 19 & 21 Cliff..New-York

Wire Rope.

Campbell, Whittier & Co. 1176 Tremont.....Boston
 FEARING, RODMAN & SWIFT (see inside back cover), 23
 & 25 Commercial.....“
 McLauthlin George T. & Co. 120 Fulton.....“
 WHITON, BRO. & CO. (see page 118) 31 & 33 Commercial..“
 HEGGANUM MNFG. CO. (see page 52)Hegganum, Ct
 SAWYER JOHN (see page 204), Platt.....New-York
 Dewitt G., Bro. & Co. 90 John.....“
 Roebling John A.'s Sons, 117 Liberty.....“
 Dewitt G., Bro. & Co. 703 Market.....Philadelphia
 WILLIAMS RICHARD B. (see page 256) 46 & 48 N.
 Delaware.....“

*** Wire Railing—Office and Desk.**

WOOLEY WALTER W. 63 Fulton.....New-York

Wrecking Companies.

Tower M. B. 153 Webster, East-Boston, and 125 State.....Boston
 WATERS JOHN & CO. (see page 132) 12 Marcella, Highlands, “
 WATERS JOHN & CO. (see page 132), 12 Commer-
 cial whf.....Newport, R. I
 Coast Wrecking Co. 49 Wall.....New-York
 Knapp Henry F. 72 Beaver.....“
 Lowe Edward R. 187 West.....“
 Wrecking and Ship Raising Co. H. F. Knapp manager, 17
 William.....“
 Baker B. & J. & Co. 2 Campbell's whf.....Norfolk
 Southern Wrecking Co. H. F. Willink agt, ft Drayton.....Savannah

Yacht Builders.

DYER & WILLIAMS (see page 18), n end Come'l ft Oak. Bath, Me
 HARRINGTON C. B. Front.....““

Yacht Fixtures.

COFFIN & WOODWARD (see page 54), 224 State.....Boston
 BURHANS & GEORGE (see page 252), 164 Maiden lane. New-York
 SNELLING J. & CO. (see page 144) 158 South.....“

**Use the Best, Tarr & Wonson's Copper Paints.
 John C. Giffing, Ag't, 31 South St., N. Y.**

Rates of Pilotage of Wilmington, N. C.

Out-bar pilotage.....	\$2 00	per foot draft.
Inward-bar pilotage.....	1 80	" " "
Down-river pilotage.....	2 00	" " "
Up-river pilotage.....	1 80	" " "

Water of the bar.—Main bar, 13 feet to 14 feet.

Water shoals in river, 12½ feet, no more.

Harbor Master.....	\$3 00
Port Warden.....	5 00

Lighterage, outside bar, 25 cts. per bbl.

From shoals, lighterage down river, 50 cts. per ton.

Stevedorage, 2½ cts. per bbl., stowing rosin.

Stevedorage, 12 cts. per bale cotton.

Stevedorage, 3 cts. per bbl. on spets. turp.

Goods pay wharfage.

Compressing, 50 cts. coastwise; 60 cts. foreign.

Stowing cotton, foreign, 50 cts.

Steamship, 72 hours.

Sail, average, 5 days. New-York to Wilmington.

(Flag marked P.)
E. S. POWELL.

(Flag marked W. & M.)
WILLIAMS & MURCHISON.

Port Charges of Jacksonville, Fla.

Harbor fees, taxes and wharfage, none.

Towage, \$60 to \$100; published rate, \$8 per foot.

Stevedoring, loading lumber, 35 cts. to 55 cts. per 1000.

Labor, \$1.25 per day.

Pilotage, under 10 feet draft, \$2.50 per foot; 10 feet and upward, \$3 per foot.

Depth of water, 10½ to 11 feet.

Pilotage up the river, \$1.50 per foot.

Port of Charleston, S. C.**RATES OF PILOTAGE FOR BAR AND HARBOR.**

Feet.	Amount.	Feet.	Amount.
6.....	\$15 00	14.....	\$54 00
7.....	16 50	14½.....	64 00
8.....	18 50	15.....	66 00
9.....	21 00	15½.....	69 00
10.....	28 50	16.....	84 00
11.....	33 00	16½.....	100 00
12.....	40 00	17.....	120 00
12½.....	44 00	17½.....	150 00
13.....	45 00	18.....	180 00
13½.....	50 00		

When detained outside the bar, and prevented from entering the port by causes beyond the control of the pilot in charge, \$4 per day.

Pilotage around Ashley River..... \$8 00

For docking vessels 4 00

*** Yacht Machinery.**

COFFIN & WOODWARD (see page 54), 224 State.....Boston

*** Yacht Steerers.**

COFFIN & WOODWARD (see page 54), 224 State.....Boston

*** Yacht Travelers.**

COFFIN & WOODWARD (see page 54), 224 State.....Boston

*** Yellow Metal.**

REVERE COPPER CO. (see page 214).....Canton, Mass

CROCKER BROS. & CO. (see page 62).....Taunton, Mass

CROCKER BROS. (see page 62) 11 Broad.....Boston

REVERE COPPER CO. (see page 214) 242 South.....New-York

Zinc.

Blake William & Co. Allen cor Brighton.....Boston

Carpenter, Woodward & Morton, 77 Clinton.....“

Fuller, Dana & Fitz, 110 North.....“

Taunton Copper Co. Crocker Bros. & Co. agts (see page 62),

11 Broad.....“

Williams Charles jr. 109 Court.....“

PHELPS, DODGE & CO. (see front cover) Cliff bet John

& Fulton.....New-York

Miscellaneous.

(Ship Owners.)

Nash Joseph.....Addison, Me

Littlefield James.....Bangor, “

Bridge, Lovel & Co.....Bath, “

Curtis Captain.....“ “

Davenport C.....“ “

Drummond W. & J.....“ “

GOSS & SAWYER (see page 18).....“ “

Hitchcock, Adams & Morse.....“ “

Houghton Bros.....“ “

Kimball J. H.....“ “

Lamont A.....“ “

Lamont & Robinson.....“ “

Minott C. V. & Co.....“ “

Morse J. P.....“ “

Moses W. V.....“ “

Moses W. V. & O.....“ “

Patten J. & Son.....“ “

Rich A. & Co.....“ “

Rogers W.....“ “

Ships' Hardware, Tinware, Ship's Lanterns. D. C. Smull, 60 W. Pratt St., Balto.

Tarr & Wonson's Patent Copper Paints, the only reliable. John C. Giffing, Ag't, 31 South St., N. Y.

**WILLIAM A. GRAVES,
STEAM SECTIONAL MARINE RAILWAY,**

Shipwright, Spar Maker and Calker,

SAW AND PLANING MILLS,

SCROLL SAWING,

211 to 219 WATER STREET,

NORFOLK, VA.

NEW SHIRT FACTORY.

GENTS' SHIRTS

MADE TO ORDER AT

Wheeler & Wilson Sewing Machine Rooms,

COR. OF MAIN AND CHURCH STS.,

UP-STAIRS,

NORFOLK, VA.

ORDERS PROMPTLY FILLED.

MANUFACTURER OF THE

Mill Boy Washing Machine.

PRICE, \$20.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Roller Bush-
ing. Manufactory, Bath, Me.**

Ship Owners.—Continued.

Sewall E. & A.	Bath, Me
Thompson J. A.	" "
Hayford A.	Belfast, "
Herriman & Co.	" "
Phillips & Moore.	" "
Reed Joseph B.	" "
Sinclair W.	" "
White & Conners.	" "
White J. P. & Co.	" "
White J. P.	" "
Fitch A. L.	Bristol, "
Hayden John.	Brunswick, "
Skolfield Bros.	" "
Lindsley J.	Calais, "
Webb Seth.	Deer Island, "
Rich Isaac.	Eden, "
Woodward A. K.	Ellsworth, "
Briggs & Cushing.	Freeport, "
Crabtree A. B.	Hancock, "
Dyer A. J.	Jonesport, "
Whiting A. J.	Mt. Desert, "
Chase Charles H. 113 Commercial.	Portland, "
Winslow J. S.	" "
Winslow J. S. & Co.	" "
Hagar J. M.	Richmond, "
Hagar H. S. & Co.	" "
Harwood T.	" "
Southard T. J.	" "
Southard T. J. & Son.	" "
Theobald G. H.	" "
Ames D.	Rockland, "
Cobb F.	" "
Cobb F. & Co.	" "
Carver & Barnes.	Searsport, "
McGilvery William.	" "
Pendleton P. jr.	" "
Moodey.	St. George, "
Henderson A. D.	Thomaston, "
O'Brien Edward.	" "
Pendleton P.	" "
Stetson, Geary & Co.	" "
Watt Samuel.	" "
Watts S. & Co.	" "
Higgins A. B.	Trenton, "
Lennox A. H.	Wiscasset, "
Baker L. E.	Yarmouth, "
Blanchard S. C.	" "

Baltimore Copper Paint is equal to any in use.

Tarr & Wonson's Patent Copper Paints. John C. Giffing, Agent, 31 South St., New-York.

GEO. J. THOMPSON.

JOS. P. CHAPMAN.

GEO. J. THOMPSON & CO.,

DEALERS IN

STOVES.

SHIPS' CABOOSSES AND OUTFITS

A Specialty.



PUMPS, LEAD, IRON PIPE,

SHEET LEAD, TINWARE, ETC.



Ship Plumbing and Tin Work Generally

PROMPTLY ATTENDED TO.



227 EAST BAY, NORTH OF MARKET STREET,

Charleston, S. C.

O. M. Vesper & Co., Ship Brokers, Baltimore, Md.

**Use F. B. Torrey's Patent Compressed Butt and
Bilge Bolts. Manufactory, Bath, Me.**

Ship Owners.—Continued.

Bucknam S.....	Yarmouth, Me
Dennis, Doane & Co.....	" "
Humphreys C. R.....	" "
Rogers William.....	" "
Jones W. & Son.....	Portsmouth, N. H
Phinney Alonzo.....	Barnstable, Mass
Babson E. & Co.....	Boston
Baker & Morrill.....	"
Baker J. & Co.....	"
Bangs W. H. & Co.....	"
Benner E. & Co.....	"
Blanchard Alfred & Co.....	"
Brewer C.....	"
Brewer C. & Co.....	"
Brown V. H. & Co.....	"
Browne & Wilde.....	"
Colby Charles L.....	"
Emery John S. & Co.....	"
Emmons N. H. jr.....	"
Gardner H.....	"
Goddard Nathaniel.....	"
Goddard, Iasagi & Co.....	"
Hall A. T.....	"
Hall S. & Co.....	"
Hammond W.....	"
Hastings Henry.....	"
Hastings H. & Co.....	"
Hill Charles & Son.....	"
Hows & Crowell.....	"
Kelly D. D.....	"
Kinsman William H. & Co.....	"
Lord C. H. & Co.....	"
Lovell & Co.....	"
Magoun T. & Son.....	"
McNear B.....	"
Nickerson F. & Co.....	"
Nickels & Co.....	"
Paine —.....	"
Perkins W. & Co.....	"
Pelers E. D. & Co.....	"
Reed S. G. & Co.....	"
Rich N. & Co.....	"
Rideout & Roberts.....	"
Rideout & Bros.....	"
Ropes R. M. & Co.....	"
Sears J. Henry.....	"
Sears J. H. & Co.....	"

For Cabin and Galley Outfits go to D. C. Smull, 60 W. Pratt St., Baltimore.

Use the Best, Tarr & Wonson's Copper Paints.
John C. Giffing, Ag't, 31 South St., N. Y.

Ship Owners.—Continued.

Thayer & Lincoln.....	Boston
Thompson William.....	"
Tibbits J. R.....	"
Trufant G. C.....	"
Warren & Co.....	"
Wales T. C. & Co.....	"
Weld W. F. & Co.....	"
Williams E.....	"
Williamson Elijah.....	"
Wilson R.....	"
Pew J. & Son.....	Gloucester, Mass
Cook —.....	Harwich, "
Allen Gideon & Sons.....	New-Bedford, "
Barney George.....	"
Bartlett I. H. & Sons.....	"
Blackler William G.....	"
Bourne Jonathan jr.....	"
Brownell W. O.....	"
Crocker Oliver & George O.....	"
Gifford Charles H.....	"
Gifford & Cummings.....	"
Greene David R. & Co.....	"
Grinnell Joseph.....	"
Hadley Jacob B.....	"
Haskell Edward P.....	"
Hathway F.....	"
Hathway Horatio.....	"
Hathway Thomas S.....	"
Hathway W.....	"
Hathway William jr.....	"
Hawes Charles E.....	"
Hicks Andrew.....	"
Hicks John.....	"
Hitch J. C.....	"
Howland E.....	"
Howland Edward W.....	"
Howland George jr.....	"
Howland Matthew.....	"
Jones Edward C.....	"
Jones E. S.....	"
Kempton David B.....	"
Knowles J. P. 2d.....	"
Knowles Thomas & Co.....	"
Maxfield Edmond.....	"
McCollough John.....	"
Nye S. G.....	"
Philips William & Son.....	"

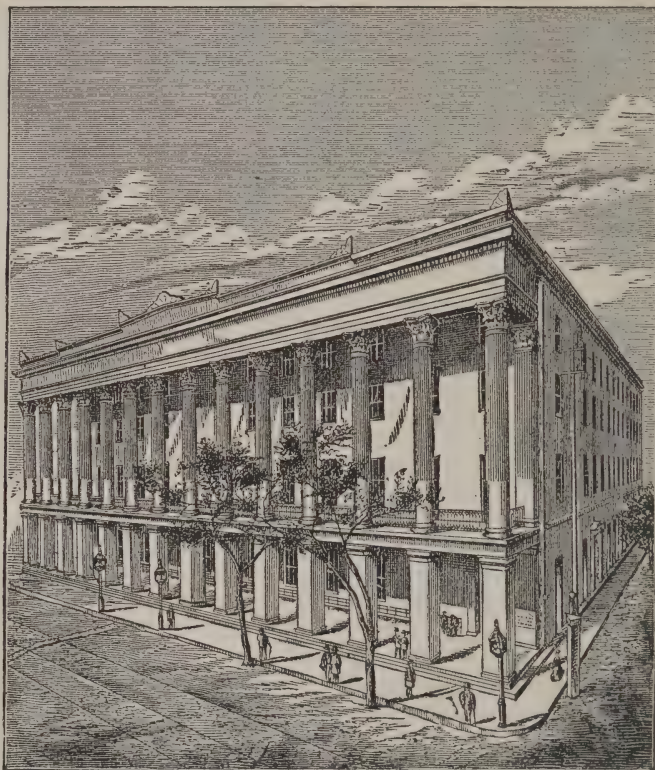
Ship Owners.—Continued.

Pierce Andrew G.....	New-Bedford, Mass
Pierce John W.....	" "
Randall Charles S.....	" "
Reed Philip H.....	" "
Richmond Joshua & Son.....	" "
Ricketson Joseph, 2d.....	" "
Rodman Samuel.....	" "
Seabury Alexander H.....	" "
Seabury Humphrey W.....	" "
Seabury Otis.....	" "
Smith William T.....	" "
Snow, Loum & Son.....	" "
Swift & Allen.....	" "
Swift & Perry.....	" "
Taber, Gordon & Co.....	" "
Taber H. & Co.....	" "
Thompson James D.....	" "
Tucker Charles.....	" "
Tucker C. R. & Co.....	" "
Watkins William.....	" "
West Simeon N.....	" "
Wood Charles L.....	" "
Wood Dennis.....	" "
Wood J. B. & Co.....	" "
Wood & Nye.....	" "
Bailey R. & Son.....	Newburyport, "
Boardman Isaac H.....	" "
Burrill Edward.....	" "
Cushing J. N.....	" "
Cushing W.....	" "
Cushing J. N. & W.....	" "
Graves William.....	" "
Lunt Charles.....	" "
Mosely E. S. & Co.....	" "
Sumner, Swasey & Currier.....	" "
Thurlow George D.....	" "
Nelson William H.....	Plymouth, "
Allen George H.....	Salem, "
Bertram John.....	" "
Bertram J. H. M.....	" "
Bowker Bros.....	" "
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Emmerton George R.....	" "
Fabens Benjamin.....	" "
Fabens C. E. & B. H.....	" "
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Hunt William & Co.....	" "
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Knight E. H.....	" "
Mihler Charles H.....	" "
Philips W. P.....	" "
Pingree David.....	" "
Pingree Thomas P.....	" "
Ropes Edward D.....	" "
Shatswell Joseph.....	" "
Silsbee B. H.....	" "
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Thomas N.....	" "
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Brainard E.....	Portland, "
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Life-Saving Stations.

COAST OF NEW-JERSEY.

No.	Name.	Remarks.
1.	Sandy Hook.....	Light-keeper.
2.	Spermaceti Cove.....	
3.	Seabright.....	
4.	Monmouth Beach.....	
5.	Long Branch.....	
6.	Deal.....	[River.
7.	Shark River.....	New station, Old Shark
8.	Wreck Pond.....	
9.	Squam Beach.....	
10.	Point Pleasant.....	
11.	Swan Point.....	New station.
12.	Green Island.....	
13.	Tom's River.....	
14.	Island Beach.....	
15.	Forked River.....	New Station.
16.	South end Squam Beach.....	
17.	Barneget.....	
18.	Loveladies Island.....	New station.
19.	Harvey Cedars.....	
20.	Ship Bottom.....	
21.	Long Beach.....	New station.
22.	Bond's.....	South end Long Beach.
23.	Little Egg.....	Short Beach.
24.	Little Beach.....	New station.
25.	Brigantine.....	
26.	South Brigantine.....	New station.
27.	Atlantic City.....	
28.	Absecom.....	New station.
29.	Great Egg.....	[Beach.
30.	Beazely's.....	North end of Peck's
31.	Peck's Beach.....	New station.
32.	Corson's Inlet.....	
33.	Ludlam's Beach.....	New station.
34.	Townsend's Inlet.....	
35.	Stone Harbor.....	
36.	Hereford Inlet.....	On Five-mile Beach.
37.	Turtle Gut.....	New station.
38.	Two-mile Beach.....	
39.	Cape May.....	
40.	Bay Shore.....	

Name.	Keeper.
11. Shinnecock.	Lewis R. Squires.
12. Tyanda.	Edward H. Ryder.
13. Quogue.	Mahlon Phillips.
14. Tanner's Point.	Franklin C. Jessup.
15. Moriches.	William Smith.
16. Fargo River.	Sidney Penny.
17. Smith's Point.	Joseph H. Bell.
18. Bellport.	George W. Robinson.
19. Blue Point.	Daniel A. Nevins.
20. Lone Hill.	Edmund Brown.
21. Point of Woods.	George W. Rogers.
22. Fire Island.	Leander Thurber.
23. Oak Island, East End.	Henry Oakley.
24. Oak Island, West End.	Prior Wicks.
25. Jones's Beach, E. End.	Augustus C. Wicks.
26. Jones's Beach, W. End.	Townsend Verity.
27. Meadow Island.	Leander Lozee.
28. Long Beach, East End.	Daniel W. Smith.
29. Long Beach, West End.	Charles Wright.
30. Hog Island, West End.	Joseph Langdon.
31. Rockaway Beach, E. E.	Daniel Mott.
32. Rockaway Beach, W. E.	Isaac Skidmore.
33. Sheepshead Bay.	Cornelius Van Nostran.

CAPE COD.

1. Race Point, one mile east of light-house.
2. Peaked Hill Bar, three miles from No. 1.
3. Highlands, one mile north of light-house.
4. Parment River, three miles to southward of Highlands.
5. Cahoon's Hollow, three miles to southward of Parment.
6. Nausett, one mile to southward of lights.
7. Orleans, on beach, east of Ponchet Island.
8. Chatham, one mile to southward of lights.
9. Monomoy, two miles east of light.

BLOCK ISLAND.

1. Southwest point of Block Island.

COAST OF RHODE ISLAND AND LONG ISLAND.

Name.	Keeper.
1. Narragansett Pier.	Benjamin Macomber.
2. Block Island.	Samuel Allen.
3. Montauk Point.	Jonathan Miller.
4. Ditch Plain.	Samuel T. Stratton.
5. Hither Plain.	George H. Osborn.
6. Napeague.	Elijah M. Bennett.
7. Amagansett.	Charles J. Mulford.
8. Georgica.	Jonathan F. Gould.
9. Bridgehampton.	Baldwin Cook.
10. Southampton.	Charles White.

STATISTICS OF WRECKS AND SERVICES RENDERED DURING 1873.

Total number of wrecks.....	32
Number of lives imperiled was.....	235
Number of lives saved.....	234
Number of lives lost.....	1
The number of shipwrecked persons sheltered in station-houses.....	33
The number of days' shelter afforded.....	77
Total value of property imperiled.....	\$832,230
Total value of property saved.....	681,201
Total value of property lost.....	226,029

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TIMOTHY STREET.

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Giles Lawrence & Co.....	"
Grace W. R. & Co.....	"
Green Charles R.....	"
Grinnell, Minturn & Co.....	"
Hartley R. F. C.....	"
Hathaway F.....	"
Holmes E. W.....	"
Howe A. H.....	"
Howes George & Co.....	"
Howland & Frothingham.....	"
Jones John E.....	"
Lawrence Giles & Co.....	"
Low A. A. & Bros.....	"
Mallory C. H.....	"
Marshall C. H. & Co.....	"
Metcalf B. F. & Co.....	"
Nelson William jr.....	"
Nelson & Hopkins.....	"
Nesmith & Sons.....	"
Nickels J. C.....	"
Pendergast Bros.....	"
Poillon C. & R.....	"
Pray & Dickens.....	"
Simpson & Shaw.....	"
Smith Jonas & Co.....	"
Snow & Burgess.....	"
Snow & Pinckney.....	"
Sturges & Clearman.....	"
Talbot F. & Co.....	"
Tapscott & Co.....	"
Tapscott William & Sons.....	"
Taylor Isaac.....	"
Thomas A.....	"
Thompson Samuel's Nephew.....	"
Upton Paul.....	"
Welt O.....	"
Williams & Guion, 67 Wall.....	"
Yates & Porterfield.....	"
Zittlosen John, 3 William.....	"
Hoyt J. H.....	Staten Island, N. Y
Fruing & Co.....	New-Jersey
Lund G. S.....	Bergen, N. J
Mohr C. A. & Co.....	" "
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New Light in Hudson River.

The Light-House Board gives notice that on and after November 1st a light will be shown from the light-house recently erected at the south end of Middle Ground, Hudson River, opposite the city of Hudson, N. Y. The light will be a fixed white.

Light at Winter Quarter Shoal, Va.

A light vessel is placed about two miles outside of Winter Quarter Shoal, Va., bearing per compass from centre of shoal, S. E. by E. $\frac{1}{2}$ E.

The vessel will show one fixed white light, which should be seen in clear weather from the deck of a vessel 15 feet above the sea, 11 nautical miles.

The vessel has two masts, schooner rigged, with circular cagework day-marks. The hull is painted red, with "Winter Quarter" painted in large white letters on each side. She will be moored in about 11 fathoms of water.

The approximate position of the light vessel will be lat. 37 57 N., lon. 75 05 30 W.

JAPAN.

Kin-Sin—East Coast—Reported Position of Nelly Rock.

The commander of the Peninsula and Oriental Steamship Company's steamship Avoca reports having seen the danger known as the Nelly Rock, the position of which has heretofore been considered doubtful.

The following bearings were taken from the vessel at the time the rock was seen breaking: Cape Cochrane (Kayeta saki) N. N. W. $\frac{1}{4}$ W., and Utoyama, S. W. $\frac{3}{4}$ S. From these bearings and that taken of the breakers, the position of the rock is given as lat. 31 48 N., lon. 131 35 E., or E. by N. about three miles from Cape Cochrane.

Bearings magnetic. Variation, $3\frac{1}{4}$ deg. W. in 1874.

Nipon—Suruga Gulf—Omaesaki Light.

A light has been established at Omaesaki, on the most southerly point of the Province of Totomi, to the Westward of Suruga Gulf. The light is a revolving white light.

FRANCE—HARBORS, COASTS, ETC.

West Coast—Finistere—Le Four Rock Lights.

The French government has given

notice that from the 15th March, 1874, a light will be exhibited from a light-house on Le Four Rock, north entrance of Chenal du Four.

The light is a fixed and flashing white light, to show a fixed light during 30 seconds, and flashing light of eight distinct flashes, followed by eclipses, during 30 seconds; thus the light will be alternately fixed and flashing every half minute. It is elevated 92 feet above the level of high water, and in clear weather should be seen from a distance of 15 miles.

The illuminating apparatus is dioptric or by lenses of the third order.

The light-house is 22 feet high and is built of stone. Position—Lat. 48 31 20 N., lon. 4 47 30 W.

A steam fog trumpet will be attached to the light-house, but the intervals of blasts have not yet been decided on.

Alteration in Lights at Marseilles.

Also, that from March 1, 1874, the six green lights which, two by two, mark the entrance of the new basins of the port of Marseilles, will be replaced by red lights.

Fixed Light at Port Croisic.

A light is exhibited from a tower recently erected from the outer extremity of the Jetty of Trehic, at the entrance of Port Croisic.

The light is a fixed light, showing white between the bearings S. S. E. (easterly) and E. S. E. On either side of these bearings the light will show red until obscured by the land.

The light will be elevated 39 feet above high water, and in clear weather the white light should be seen from a distance of ten miles.

The illuminating apparatus is dioptric or by lenses of the fifth order.

The tower is 33 feet high, and built of stone. Position—Lat. 47 16 30 N., lon. 2 31 30 W.

All bearings are magnetic. Variation, $19\frac{1}{4}$ deg. westerly in 1874.

GREAT BRITAIN—SEA-COAST AND HARBORS.

Wreck in the Gull Stream.

Notice is given that a green buoy, marked with the word "Wreck," has been placed about 40 yards N. W. of a vessel sunk in the Gull Stream.

The buoy lies in 7 fathoms at low water spring tides.

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Whitridge & Co.....	"
Schumacher A. & Co.....	"
Duncan Theodore.....	Crisfield, Va
Baxter H. J.....	New-Orleans
Blair Samuel.....	San Francisco
Hansen Charles.....	"
Howes George & Co.....	"
Kentfield & Co.....	"
Pope & Talbot.....	"
Taylor C. L. & Co.....	"
Bordes A. D.....	Bordeaux
Rodger A.....	Glasgow
Ross & Co.....	"
Skinner T.....	"
Bates & Co.....	Liverpool
British & Eastern S. S.....	"
Bromhall E.....	"
De Wolf J. S. & Co.....	"
Ismay, Imrie & Co.....	"
Rathbone Bros.....	"
Vaughan S. & Co.....	"
Anderson J.....	London
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Clarkson & Co.....	"
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Merchant Ship Co.....	"
Roberts J.....	"
Sanderson & Co.....	"
Shaw, Savill & Co.....	"
Teighe & Co.....	"
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Carvill & Son.....	St. John, N. B.
Gerow & Travis.....	" "
Hickman William & Co.....	" "
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		James Atkins.....	Savannah.
<i>Vermont.</i>		Joseph Shepard.....	St. Mary's.
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George Hubbard.....	Stonington.	James F. Casey.....	New-Orleans.
<i>Massachusetts.</i>		<i>Florida.</i>	
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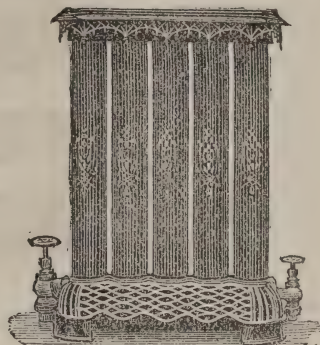
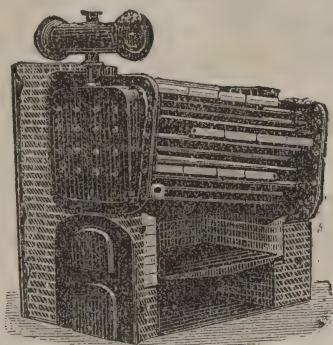
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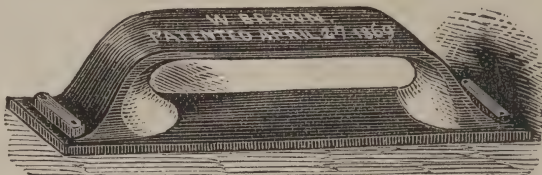
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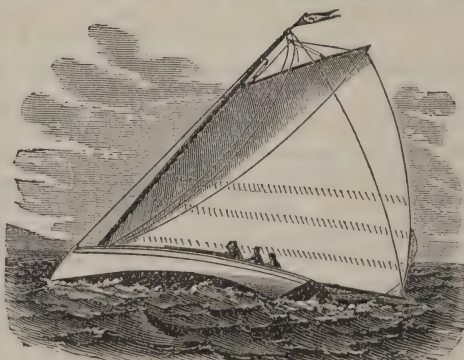
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	Don F. Agudelo	Sec'y of Legation	Absent.
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	Don Eduardo Villena	Sec'y and Ch. d'Aff. <i>ad int.</i>	1709 H street.
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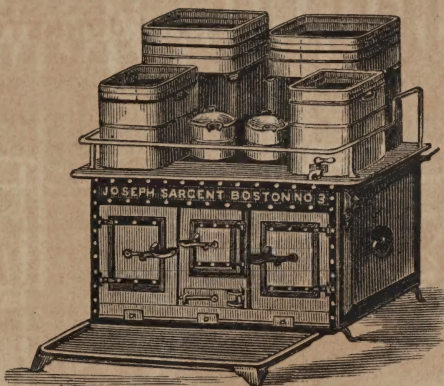
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
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